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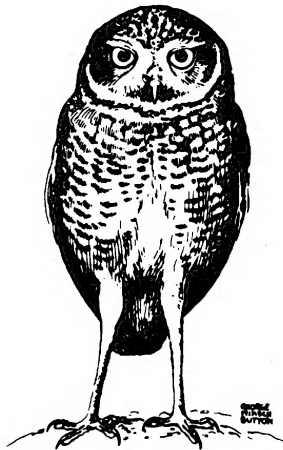
# The Nebraska Bird Review

*A Magazine of Ornithology of the Nebraska Region*

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March, 1983

Number 1



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## TABLE OF CONTENTS ON BACK COVER

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## 1982 TREASURER'S REPORT

|                          |                       | Cash       | Invest-  | Current  | Total    |
|--------------------------|-----------------------|------------|----------|----------|----------|
|                          |                       | This       | ments    | Account  | Assets   |
|                          |                       | year       | To/from  |          |          |
|                          |                       |            | other    |          |          |
|                          |                       |            | years    |          |          |
| Balance 1 January 1982   |                       | 1,294.02   | 577.56   | 3,763.34 | 4,479.80 |
| Accounts payable paid    |                       | (325.31)   | (325.31) |          |          |
| Prepaid items used below |                       | (252.25)   | (252.25) |          |          |
| RECEIPTS                 |                       |            |          |          |          |
| Member-                  | 127 Active            | 889.00     |          |          |          |
| ships                    | 34 Family active      | 340.00     |          |          |          |
|                          | 7 Sustaining          | 105.00     |          |          |          |
|                          | 5 Family sustaining   | 100.00     |          |          |          |
|                          | 10 Student            | 30.00      |          |          |          |
|                          | 2 Life                | 200.00     |          |          |          |
| Subscrip-                | 28 Dom. agency        | 154.00     |          |          |          |
| tions                    | 6 Dom. direct         | 36.00      |          |          |          |
|                          | 1 Dom special         | 7.00       |          |          |          |
|                          | 2 For. direct         | 14.00      |          |          |          |
|                          | 2 For. agency         | 11.75      |          | 222.75   |          |
| Miscel-                  |                       |            |          |          |          |
| aneous                   | Field cards           | 15.96      |          |          |          |
|                          | Checklists            | 119.36     |          |          |          |
|                          | Review copies         | 5.75       |          |          |          |
|                          | Interest              | 154.29     | 315.85   |          |          |
|                          | Rentals, misc.        | 41.22      |          |          |          |
|                          | Spring meeting        | 10.90      |          |          |          |
|                          | Fall meeting          | 31.25      |          | 694.58   |          |
|                          | Total receipts        | 2,265.48   | 315.85   | 2,581.33 |          |
| EXPENSES                 |                       |            |          |          |          |
| Publica-                 | Review printing       | 1,370.94   | 459.75   |          |          |
| tions                    | Newsletter            | 148.32     |          |          |          |
|                          | Postage               | 170.00     |          | 2,149.01 |          |
| Officers'                | Editor                | 76.03      |          |          |          |
| expenses                 | Treasurer             | 61.17      |          | 137.20   |          |
| Miscel-                  | Checklists            | 348.50     |          |          |          |
| aneous                   | Stationery            | 229.46     |          |          |          |
|                          | Nominating Com.(LD)   | 25.96      |          | 603.92   |          |
|                          | Total expenses        | 2,430.38   | 459.75   | 2,890.13 | (308.80) |
|                          | To investments        | (1,000.00) | 1,000.00 |          |          |
|                          | Donations and gifts,  |            |          |          |          |
|                          | including memorial to |            |          |          |          |
|                          | Warren Paine          | 782.75     |          |          | 782.75   |
|                          | Prepaid memberships   | 566.00     | 566.00   |          |          |
|                          | Prepaid subscriptions | 31.50      | 31.50    |          |          |
| Balance 31 December 1982 |                       | 931.81     | 1,057.25 | 5,079.19 | 4,953.75 |

## 1982 (TWENTY-FIFTH) FALL OCCURRENCE REPORT

Two hundred sixty-nine species, from 10 localities, are listed in this report. Comparable figures for previous years are: 277 species from 14 localities in 1981, 281 (and a possible Veery) from 12 localities in 1980, and 284 from 11 in 1979.

The information is presented in a rough west (left) to east (right) order, with locations of about the same longitude listed with the northernmost first. Two dates indicate the first and last records for the period. The symbols used are:

Jl, Au, Sp, Ot, No, and Dm for the months

H for a species reported as present during the count week on the Christmas Count when the Count date is later than the last date reported on this report

N indicates that there is a comment in the text

P to indicate a species which is present all of the year, although the same individuals may not be present during the whole year, and the numbers may vary greatly during the year.

S- to indicate a species which arrived before 1 July and was reported on the Spring Occurrence Report

S-W to indicate much the same thing as P, but where the situation is not always the case

-W to indicate a species which remained after 31 December (but the lack of such an indication does not necessarily mean that the species did not remain)

X for a species reported on the Christmas Count when the count date was later than the last date reported on this report. The Christmas Count may include areas not normally covered by the reporters for this report.

x when the exact date in a month is not given.

The new names and the new order are used in the tabulation, as *The New A.O.U. Checklist and Nebraska Birds* (NBR 50:74) promised. If the new order is too puzzling, a reference to the page numbers from Johnsgard's *Checklist* in that article may help.

The reporting locations, contributors (to the extent known), and special comments are:

Adams, Hastings, 70 species, Miss Bernice Welch, reporter, Elsie Helzer, Esther Kennedy, and Dorothy Marsh.

Boone, Albion, 152 species, Wayne J. Mollhoff, reporter. He commented that most of the ground feeders (Horned Larks and Longspurs) seemed to have left, probably due to the ice storm that preceded the Christmas snow.

Douglas (and Sarpy), Omaha and Bellevue, 207 species, Tanya Bray, R.G. Cortelyou, Ruth C. Green, Loren and Babs Padelford, reporters, Russell Benedict, Dr. Terry Cox, Julie Eilers, Doug Fritts, Marg Garabrandt, Rev. T.A. Hoffman, Clyde and Emma Johnson, Cathy Nelson, Alice Rushton, Doug Thomas, Dr. Mary Tremaine, Lt. Col. John Upchurch, Gertrude Wood. A female Hooded Merganser was seen on Lake Candlewood 1 July; Julie Eilers saw 6 Mountain Bluebirds near the Platte View Golf Course, in southern Sarpy Co.; Dr. Mary Tremaine had a Black-and-white Warbler and a Yellow-breasted Chat in her yard in Omaha 5 July.

Hall, see Howard

Howard (and Hall), St. Libory, 108 species, Bill Schleicher, reporter, Tanya Bales, George Stoppkotte.

Lancaster, Lincoln, 164 species (and a hybrid), Wm. C. Garthright, Dr. Norma Johnson, Mrs. Mabel Ott, Loren and Babs Padelford, reporters, Jim Ducey, Dr. Neva Pruess. The Mockingbird came to Dr. Pruess' feeder. Mrs. Ott had a Rose-breasted x Black-headed Grosbeak 23 August to 27 September; this is the third year she has had one on the Fall Report. The Cassin's Finches were in with Purple Finches.

Lincoln, North Platte, 108 species, Mrs. W.H. Cunningham, reporter, Harold Cunningham, Margaret Morton, Ella Nielsen, Carol Somerhalder, Howard and Wilma Wyman.

McPherson, Tryon, 92 species, Mrs. Oona Bassett, reporter. She left the ranch at the end of October, which means that the last dates may be premature for some species, and some winter species may not be reported.

— Text continued on page 14

|                                | Scotts<br>Bluff | McPh.<br>coln | Lin-<br>coln   | Howard<br>Hall | Adams | Boone          | Lan-<br>caster | Saun-<br>ders  | Wash.<br>No    | Doug.<br>Sarpy                       |
|--------------------------------|-----------------|---------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|--------------------------------------|
| Common Loon                    | -               | -             | -              | -              | -     | -              | Ot 3           | -              | No 9           | Sp 11<br>No 20                       |
| Pied-billed Grebe              | Au 17           | -             | Sp 19          | -              | -     | Sp 3           | Jl 5           | Sp 17          | Au 4           | S -<br>No 12 No 13 Ot 19 No 13 No 23 |
| Horned Grebe                   | -               | -             | -              | -              | -     | -              | Ot 31          | -              | -              | No 21                                |
| Western Grebe                  | Ot 2            | Ot 14         | Sp 27          | -              | -     | -              | -              | -              | -              | No 6                                 |
| Am. White Pelican              | -               | Jl 1<br>Jl 17 | -              | -              | -     | -              | Au 28<br>Sp 19 | Sp 17          | Sp 22          | Sp 3<br>Ot 7 No 6                    |
| Double-crested<br>Cormorant    | S -<br>Jl 4     | Sp 1<br>Ot 4  | Sp 19          | -              | -     | -              | Jl 18<br>No 26 | Sp 11<br>Ot 30 | Sp 22          | Jl 17<br>No 13 NoX21                 |
| American Bittern               | -               | -             | -              | -              | -     | -              | Au 28<br>No 21 | -              | -              | -                                    |
| Least Bittern                  | -               | -             | -              | -              | -     | Sp 13          | -              | -              | Sp 8           | -                                    |
| Great Blue Heron               | S -<br>No 19    | S -<br>Au 20  | Jl 1           | S -<br>Ot 10   | Ot 7  | S -<br>Dm 31   | Jl 4<br>NoX21  | Jl 24<br>Dm 11 | Au 4<br>SpX 8  | S -<br>No 21                         |
| Great Egret                    | -               | -             | -              | -              | -     | -              | -              | -              | Jl 10          | -                                    |
| Snowy Egret                    | -               | -             | -              | -              | -     | -              | -              | -              | Au 10          | -                                    |
| Little Blue Heron              | -               | -             | -              | -              | -     | -              | -              | -              | -              | Au 16                                |
| Cattle Egret                   | Sp 15<br>Ot x   | -             | Sp 8           | -              | -     | -              | Ot 24          | -              | -              | Jl 5<br>Sp 12                        |
| Green-backed Heron             | -               | -             | Jl 1<br>Sp 19  | -<br>Ot 12     | -     | Au 13<br>Sp 3  | S -<br>Sp 16   | S -<br>Ot 3    | Sp 8<br>Sp 22  | S -<br>Ot 14                         |
| Black-crowned<br>Night-Heron   | -               | -             | S -<br>Jl 1    | -              | -     | -              | Au 28          | Jl 23          | -              | Sp 11                                |
| Tundra Swan                    | -               | -             | -              | -              | -     | -              | No 26          | -              | No 14<br>No 15 | -                                    |
| Greater<br>White-fronted Goose | -               | -             | X              | Dm 18          | -     | -              | No 6           | Ot 29<br>Ot 30 | X              | -                                    |
| Snow Goose                     | -               | -             | -              | -              | -     | -              | Ot 30          | Ot 30          | Ot 7           | Ot 5<br>Dm 19 Dm 18                  |
| Ross' Goose                    | -               | -             | -              | -              | -     | -              | -              | -              | No 13<br>NoX20 | -                                    |
| Canada Goose                   | Jl 5<br>Dm 28   | -             | Jl 13<br>DmX14 | Dm 2<br>DmX12  | -     | Dm 17<br>Dm 31 | S -<br>Dm 31   | -              | No 9<br>X      | Ot 20<br>Dm 10                       |
| Wood Duck                      | Au 21<br>Ot 2   | -             | Sp 24          | X              | -     | S -<br>Ot 24   | Jl 4<br>Ot 31  | Sp 17          | Au 4<br>NoX13  | S -<br>No 23                         |
| Green-winged Teal              | -               | -             | -              | -              | -     | Dm 10<br>Dm 31 | -              | -              | X              | Jl 1<br>No 16                        |
| American Black Duck            | -               | -             | -              | -              | -     | -              | -              | -              | X              | Dm 16<br>Dm 25                       |
| Mallard                        | P<br>Ot 5       | S -<br>X      | Sp 22<br>DmX12 | Dm 2           | Sp 11 | P              | S -<br>Dm 21   | Ot 30<br>Dm 11 | Au 4<br>Dm 19  | S -<br>Dm 27                         |
| Northern Pintail               | -               | Ot 5          | Ot 14<br>DmX12 | Dm 2           | -     | No 12<br>Dm 31 | No 6<br>No 26  | -              | Ot 10<br>NoX13 | Sp 11<br>Dm 25                       |
| Blue-winged Teal               | S -<br>Ot 2     | -             | Sp 8           | -              | Sp 25 | S -<br>Au 20   | Au 28<br>Ot 10 | Sp 4           | Sp 8<br>Ot 10  | S -<br>No 21                         |
| Northern Shoveler              | Ot 2            | Ot 5          | Sp 20          | X              | -     | No 12<br>No 21 | No 6<br>No 21  | -              | -              | Sp 11<br>Dm 4                        |
| Gadwall                        | Sp 15           | -             | -              | -              | -     | No 12          | Ot 9<br>Ot 31  | -              | Ot 10<br>X     | Sp 11<br>Dm 10                       |

|                           | Scotts<br>Fluff | McPh.         | Lin-<br>coln   | Howard<br>Hall | Adams | Boone          | Lan-<br>caster | Saun-<br>ders  | Wash.          | Doug.<br>Sarpy |
|---------------------------|-----------------|---------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|
| American Wigeon           | Ot 2<br>No 19   | Ot 5<br>Ot 15 | Sp 20<br>Otx14 | Dm 18<br>X     | -     | No 5<br>Dm 31  | Ot 17<br>No 13 | -              | Ot 10<br>NoX13 | Sp 11<br>Dm 20 |
| Canvasback                | -               | Ot 5<br>Ot 15 | -              | -              | -     | -              | No 6           | -              | No 13          | Sp 11<br>Dm 10 |
| Redhead                   | Ot 25<br>Ot 15  | Ot 5<br>Ot 15 | Jl 14          | -              | -     | -              | Ot 31<br>No 6  | -              | -              | Ot 30<br>No 23 |
| Ring-necked Duck          | Dm 18           | -             | -              | -              | -     | -              | -              | -              | -              | Sp 11<br>No 23 |
| Greater Scaup             | -               | -             | -              | -              | -     | -              | -              | -              | X              | No 23<br>Dm 4  |
| Lesser Scaup              | Ot 2            | -             | -              | X              | -     | No 12          | Ot 22          | -              | No 9           | Sp 11<br>Dm 2  |
| Common Goldeneye          | -               | -             | -              | X              | -     | -              | No 26<br>X     | No 27<br>X     | No 13<br>X     | No 14<br>Dm 25 |
| Bufflehead                | -               | Ot 28         | -              | -              | -     | No 12          | No 6<br>No 26  | -              | No 13          | Ot 30<br>No 28 |
| Hooded Merganser          | -               | -             | -              | -              | -     | No 12          | -              | -              | No 9<br>X      | OtN20<br>Dm 25 |
| Common Merganser          | -               | -             | -              | -              | -     | No 12          | No 26          | Dm 11          | No 13<br>X     | No 15<br>DmX 2 |
| Red-breasted<br>Merganser | -               | -             | -              | -              | -     | -              | -              | -              | -              | Ot 20<br>No 25 |
| Ruddy Duck                | -               | Ot 5          | -              | -              | -     | No 12          | No 13          | -              | No 9<br>NoX13  | Ot 9<br>No 27  |
| Turkey Vulture            | Sp 2<br>Sp 25   | -             | Jl 10<br>Sp 19 | -              | -     | -              | -              | -              | Ot 10          | S -<br>Sp 28   |
| Osprey                    | -               | -             | Sp 27          | -              | -     | -              | Ot 9<br>Ot 9   | Sp 11<br>Ot 9  | -              | Sp 8<br>Ot 19  |
| Bald Eagle                | No 19<br>Dm 31  | -             | No 26<br>X     | Dm 18<br>X     | -     | No 12<br>Dm 31 | -              | No 6<br>No 27  | No 9<br>NoX13  | No 20<br>Dm 18 |
| Northern Harrier          | Jl 31<br>Dm 18  | -             | Sp 5<br>Dm 18  | Au 10<br>DmX18 | -     | Ot 24<br>Dm 31 | Sp 18<br>DmX 3 | Ot 19<br>X     | Au 4<br>X      | Ot 29          |
| Sharp-shinned Hawk        | -               | Ot 24         | -              | Dm 13          | -     | Sp 3<br>Dm 31  | Sp 16<br>NoX14 | No 27<br>X     | Ot 10<br>X     | Sp 24<br>Dm 18 |
| Cooper's Hawk             | -               | -             | -              | X              | -     | -              | X              | -              | -              | Ot 17<br>No 22 |
| Northern Goshawk          | -               | -             | -              | -              | -     | No 5<br>Dm 31  | X              | -              | -              | Ot 23<br>NoX17 |
| Broad-winged Hawk         | -               | -             | -              | -              | -     | -              | -              | Sp 17          | -              | Sp 8<br>Ot 14  |
| Swainson's Hawk           | Sp 19<br>Dm 18  | S -<br>Ot 15  | Jl 16<br>Sp 5  | -              | -     | S -<br>Sp 3    | -              | -              | -              | Sp 20<br>Sp 24 |
| Red-tailed Hawk           | S -<br>Dm 27    | -             | Dm 18          | Au 12<br>DmX18 | Sp 29 | P              | P              | P              | Sp 22<br>NoX13 | P              |
| Ferruginous Hawk          | Ot 2<br>Dm 18   | -             | -              | -              | -     | -              | -              | -              | -              | -              |
| Rough-legged Hawk         | Dm 18           | -             | Au 1<br>Dm 18  | Dm 10<br>DmX18 | Sp 17 | Ot 14<br>No 14 | X              | -              | No 13          | Ot 11<br>No 13 |
| Golden Eagle              | S -<br>No 27    | -             | -              | Dm 18          | -     | No 5<br>Dm 31  | X              | -              | -              | -              |
| American Kestrel          | P               | -             | P              | P              | P     | P              | P              | Jl 24<br>Ot 17 | Sp 22<br>Dm 19 | P              |

|                            | Scotts<br>Bluff | McPh.         | Lin-<br>coln  | Howard<br>Hall | Adams | Boone          | Lan-<br>caster | Saun-<br>ders | Wash.          | Doug.<br>Sarpy |
|----------------------------|-----------------|---------------|---------------|----------------|-------|----------------|----------------|---------------|----------------|----------------|
| Merlin                     | Ot 27<br>Dm 28  | -             | -             | X              | -     | No 7           | Sp 19          | -             | -              | -              |
| Peregrine Falcon           | -               | -             | X             | -              | -     | -              | -              | -             | No 20          | Ot 31          |
| Prairie Falcon             | No 20<br>Dm 18  | -             | -             | X              | -     | -              | -              | -             | -              | -              |
| Gray Partridge             | -               | -             | -             | -              | -     | P              | -              | -             | -              | -              |
| Ring-necked Pheasant       | P -<br>Ot 30    | S -           | P             | P              | P     | P              | P              | -             | P              | P              |
| Greater<br>Prairie-Chicken | - S -<br>Ot 30  | Dm 18         | -             | -              | -     | P              | -              | -             | -              | -              |
| Sharp-tailed Grouse        | - S -<br>Ot 30  | -             | -             | -              | -     | P              | Dm 3           | -             | -              | -              |
| Wild Turkey                | P               | -             | -             | Dm 28          | -     | P              | -              | -             | -              | P              |
| Northern Bobwhite          | P               | -             | P             | P              | P     | P              | P              | S -<br>Ot 4   | P              | P              |
| Yellow Rail                | -               | -             | -             | -              | -     | Sp 16          | -              | -             | -              | -              |
| Virginia Rail              | -               | -             | -             | -              | -     | Sp 16          | -              | -             | -              | -              |
| Sora                       | -               | -             | -             | -              | -     | Sp 12<br>Ot 10 | -              | -             | Au 4           | -              |
| American Coot              | - S -<br>Ot 5   | Jl 4          | -             | -              | -     | -              | Sp 18<br>No 26 | -             | Sp 22<br>No 9  | S -<br>Ot 25   |
| Sandhill Crane             | Ot 14<br>No 8   | Ot 22         | Ot 18         | Sp 24<br>Ot 2  | Sp 10 | -              | -              | -             | -              | -              |
| Black-bellied Plover       | -               | -             | -             | -              | -     | -              | -              | Sp 25         | Sp 22<br>Ot 10 | -              |
| Lesser<br>Golden-Plover    | -               | -             | -             | -              | -     | -              | -              | -             | Sp 22<br>Ot 7  | -              |
| Semipalmated Plover        | -               | -             | -             | -              | -     | Au 11          | -              | -             | Sp 22          | Jl 29<br>Ot 14 |
| Piping Plover              | -               | -             | -             | -              | -     | -              | -              | S -<br>Au 31  | -              | Jl 4<br>Jl 18  |
| Killdeer                   | S -<br>Ot 17    | S -<br>Au 21  | Jl 1<br>Sp 15 | S -<br>Sp 28   | Ot 7  | ?<br>No 14     | S -<br>No 21   | S -<br>No 13  | Sp 22<br>No 9  | S -<br>Dm 11   |
| American Avocet            | - Au<br>Ot 5    | Jl 8          | -             | -              | -     | -              | -              | -             | -              | Ot 14          |
| Greater Yellowlegs         | - Jl<br>Au 5    | 1 -           | -             | -              | -     | -              | -              | Sp 17<br>Ot 2 | Sp 22<br>No 10 | Sp 11          |
| Lesser Yellowlegs          | Ot 2<br>Au 5    | Jl 1<br>Sp 27 | 1 Sp 20       | -              | -     | Sp 12          | -              | -             | Sp 22<br>Ot 10 | Jl 10<br>Ot 23 |
| Solitary Sandpiper         | -               | -             | -             | -              | -     | Sp 12          | -              | -             | -              | Jl 31<br>Sp 8  |
| Spotted Sandpiper          | -               | -             | -             | -              | -     | Sp 10          | Sp 5<br>Sd 19  | S -<br>Sp 4   | Sp 6           | Jl 10<br>Sp 8  |
| Upland Sandpiper           | S -<br>Jl 14    | S -<br>Jl 16  | Jl 1<br>Au 5  | S -<br>Au 28   | -     | S -<br>Au 10   | -              | -             | S -            | Jl 31          |
| Long-billed Curlew         | Jl 4<br>Jl 22   | S -<br>Au 6   | -             | -              | -     | -              | -              | -             | -              | -              |
| Hudsonian Godwit           | -               | Sp 6          | -             | -              | -     | -              | -              | -             | -              | -              |
| Marbled Godwit             | -               | -             | Jl 8          | -              | -     | -              | -              | -             | -              | -              |
| Sanderling                 | -               | -             | -             | -              | -     | -              | -              | Ot 2          | -              | -              |

|                              | Scotts Bluff   | McPh. Bluff   | Lincoln       | Howard Hall  | Adams | Boone          | Lan- caster    | Saun- ders  | Wash.         | Doug. Sarpy    |
|------------------------------|----------------|---------------|---------------|--------------|-------|----------------|----------------|-------------|---------------|----------------|
| Semipalmated Sandpiper       | -              | -             | -             | -            | -     | -              | -              | -           | -             | Jl 17<br>Sp 11 |
| Western Sandpiper            | -              | -             | -             | -            | -     | Sp 10<br>Sp 12 | -              | -           | -             | Jl 24          |
| Least Sandpiper              | -              | -             | -             | -            | Sp 11 | -              | -              | -           | -             | Jl 10<br>No 23 |
| White-rumped Sandpip.        | -              | Au 3          | -             | -            | -     | -              | -              | -           | -             | -              |
| Baird's Sandpiper            | Jl 15<br>Ot 2  | Au 5          | -             | -            | -     | -              | -              | -           | -             | Jl 31<br>No 21 |
| Pectoral Sandpiper           | -              | -             | -             | -            | -     | Au 20          | -              | -           | Sp 22<br>No 9 | Jl 28<br>No 21 |
| Dunlin                       | -              | -             | -             | -            | -     | -              | -              | -           | Sp 22<br>No 9 | Ot 26<br>No 21 |
| Stilt Sandpiper              | -              | -             | -             | -            | -     | Sp 10          | -              | -           | -             | Jl 10<br>Sp 8  |
| Short-billed Dowitcher       | -              | Jl 1<br>Au 5  | -             | -            | -     | -              | -              | -           | -             | Au 4           |
| Dowitcher sp.                | -              | -             | -             | -            | -     | -              | -              | -           | -             | Ot 9<br>Ot 28  |
| Long-billed Dowitcher        | -              | Au 5          | -             | -            | -     | -              | -              | -           | Ot 7<br>Ot 10 | Ot 24          |
| Common Snipe                 | Dm 18          | -             | -             | -            | -     | No 5<br>Dm 31  | Ot 10<br>No 6  | -           | Sp 22<br>No 9 | No 5<br>No 6   |
| American Woodcock            | -              | -             | -             | -            | -     | -              | -              | -           | -             | Ot 16          |
| Wilson's Phalarope           | -              | Jl 1<br>Au 5  | Sp 20         | -            | -     | Au 20          | -              | -           | -             | Jl 28          |
| Franklin's Gull              | S -<br>Ot 2    | -             | -             | -            | Sp 3  | -              | Ot 9<br>No 21  | -           | -             | Sp 20<br>Ot 20 |
| Ring-billed Gull             | Jl 25<br>Ot 25 | -             | Dm 18         | -            | -     | -              | Ot 16<br>NoX26 | -           | No 9<br>No 13 | Jl 31<br>DmX10 |
| Ring-billed/<br>Herring Gull | -              | Au 5<br>Ot 28 | -             | -            | -     | -              | -              | -           | -             | -              |
| Herring Gull                 | -              | -             | -             | -            | -     | -              | Ot 9<br>X      | -           | -             | No 18<br>Dm 2  |
| Caspian Tern                 | -              | -             | -             | -            | -     | -              | -              | -           | -             | Jl 10          |
| Forster's Tern               | -              | -             | -             | -            | -     | -              | Ot 9           | -           | Au 4          | Jl 13<br>Sp 10 |
| Least Tern                   | -              | -             | -             | -            | -     | -              | -              | S -<br>Au 7 | -             | S -<br>Jl 25   |
| Black Tern                   | Au 18<br>Jl 13 | S -           | -             | -            | -     | S -<br>Au 13   | S -<br>Jl 11   | -           | -             | S -<br>Sp 11   |
| Rock Dove                    | P              | -             | P             | X            | P     | P              | P              | Ot 9        | P             | P              |
| Mourning Dove                | S -<br>- W     | S -<br>Ot 1   | Jl 1<br>Ot 25 | S -<br>Dm 11 | Dm 17 | S -<br>Ot 24   | S -<br>Dm 31   | S -<br>Ot 2 | S -<br>OtX10  | S -<br>Dm 26   |
| Black-billed Cuckoo          | S -<br>Au 9    | -             | -             | -            | -     | Jl 3<br>Sp 14  | S -<br>Jl 14   | -           | -             | S -<br>Sp 25   |
| Cuckoo sp.                   | -              | -             | -             | -            | -     | -              | -              | -           | Ot 7          | -              |
| Yellow-billed Cuckoo         | S -<br>Au 6    | S -<br>Au 21  | S -<br>Au 24  | S -<br>Sp 2  | Au 22 | S -<br>Sp 3    | S -<br>Sp 20   | S -<br>Sp 7 | Au 4<br>Ot 7  | S -<br>Ot 23   |
| Common Barn-Owl              | S -<br>Ot 2    | -             | -             | P            | -     | -              | -              | -           | -             | -              |

|                           | Scotts<br>Bluff     | McPh.<br>coln | Lin-<br>coln   | Howard<br>Hall | Adams          | Boone         | Lan-<br>caster | Saun-<br>ders  | Wash.        | Doug.<br>Sarpy |
|---------------------------|---------------------|---------------|----------------|----------------|----------------|---------------|----------------|----------------|--------------|----------------|
| Eastern Screech-Owl       | P                   | -             | P              | -              | P              | P             | P              | P              | P            | P              |
| Great Horned Owl          | P                   | -             | P              | P              | P              | P             | P              | P              | P            | P              |
| Burrowing Owl             | S -<br>Ot 17        | -             | Jl 1           | S -<br>Sp 3    | -              | -             | -              | -              | -            | -              |
| Barred Owl                | -                   | -             | -              | -              | -              | -             | Ot 21<br>X     | -              | -            | P              |
| Long-eared Owl            | -                   | -             | -              | -              | -              | No 12         | X              | -              | -            | -              |
| Northern Saw-whet Owl     | -                   | -             | -              | -              | -              | -             | X              | -              | -            | -              |
| Common Nighthawk          | S -<br>Sp 17        | Sp 27         | Jl 16<br>Sp 18 | S -<br>Sp 10   | Ot 5           | S -<br>Au 13  | S -<br>Sp 29   | Sp 10<br>Sp 11 | -            | S -<br>Ot 8    |
| Common Poorwill           | S -<br>Jl 28        | -             | -              | -              | -              | -             | -              | -              | -            | -              |
| Whip-poor-will            | -                   | -             | -              | -              | -              | Ot 2          | -              | Au 6           | -            | -              |
| Chimney Swift             | S -<br>Au 24        | -             | Au 1<br>Sp 14  | S -<br>Sp 28   | Ot 7           | S -<br>Ot 7   | S -<br>Ot 9    | Jl 6<br>Jl 24  | Au 4<br>Ot 7 | S -<br>Ot 15   |
| White-throated Swift      | S -<br>Jl 26        | -             | -              | -              | -              | -             | -              | -              | -            | -              |
| Ruby-throated Hummingbird | -                   | -             | -              | -              | -              | -             | Sp 10          | -              | -            | Jl 11<br>Sp 30 |
| Broad-tailed Hummingbird  | Au 5<br>Au 18       | -             | -              | -              | -              | -             | -              | -              | -            | -              |
| Rufous Hummingbird        | Jl 20               | -             | -              | -              | -              | -             | -              | -              | -            | -              |
| Hummingbird sp.           | Sp .9               | -             | -              | -              | -              | -             | -              | -              | -            | -              |
| Belted Kingfisher         | P                   | -             | Au 8<br>X      | S -<br>DmX18   | -              | S -<br>Dm 31  | Jl 4<br>DmX11  | Jl 23<br>Dm 11 | Sp 22        | S -<br>DmX10   |
| Red-headed Woodpecker     | S -<br>Au 6         | -             | Jl 1<br>Sp 5   | S -<br>Sp 12   | Sp 26          | S -<br>Sp 18  | S -<br>SpX19   | S -<br>Ot 9    | Au 4         | S -<br>Dm 21   |
| Red-bellied Woodpecker    | -                   | -             | Sp 20          | P              | -              | P             | P              | Sp 25<br>Dm 11 | P            | P              |
| Yellow-bellied Sapsucker  | Sp 26<br>Ot 16      | -             | -              | -              | No 12<br>No 14 | -             | Ot 14          | -              | -            | Sp 26<br>Dm 3  |
| Downy Woodpecker          | P                   | -             | P              | P              | P              | P             | P              | P              | P            | P              |
| Hairy Woodpecker          | P                   | -             | Dm 4<br>Dm 20  | P              | No 4           | P             | P              | P              | P            | P              |
| Northern Flicker          | P<br>Sp 19<br>Ot 29 | -             | P              | P              | -              | P             | P              | P              | P            | P              |
| Olive-sided Flycatcher    | -                   | -             | -              | -              | -              | -             | Sp 7<br>Sp 19  | Sp 4           | -            | Au 24<br>Sp 11 |
| Western Wood-Pewee        | S -<br>Au 14        | -             | -              | -              | -              | -             | -              | -              | -            | -              |
| Eastern Wood-Pewee        | -                   | -             | Jl 15          | -              | -              | S -<br>Au 13  | S -<br>Sp 19   | S -<br>Sp 4    | S -<br>Au 4  | S -<br>Sp 21   |
| Yellow-bellied Flycatcher | -                   | -             | -              | -              | -              | -             | -              | -              | -            | Au 23<br>Ot 5  |
| Alder Flycatcher          | -                   | Sp 23         | -              | -              | -              | -             | -              | -              | -            | Au 29          |
| Willow Flycatcher         | -                   | -             | -              | -              | -              | S -<br>Sp 16  | S -<br>Sp 28   | -              | -            | -              |
| Least Flycatcher          | -                   | -             | -              | -              | Sp 7           | Jl 3<br>Sp 13 | Au 2<br>Sp 21  | -              | -            | Au 23          |

|                                    | Scotts Bluff   | McPh. Bluff    | Lincoln        | Howard Hall    | Adams          | Boone          | Lan-caster     | Saunders       | Wash.          | Doug. Sarpy    |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Eastern Phoebe                     | -              | -              | -              | -              | -              | Jl 3<br>Au 13  | S -<br>Ot 17   | Sp 25<br>Ot 2  | -              | Au 20<br>Sp 24 |
| Say's Phoebe                       | Jl 4<br>Au 11  | -              | Jl 1<br>Au 25  | -              | -              | -              | -              | -              | -              | -              |
| Great Crested Flycatcher           | -              | -              | -              | S -<br>Au 23   | -              | S -<br>Jl 21   | S -<br>Sp 18   | S -<br>Ot 4    | -              | S -<br>Sp 15   |
| Western Kingbird                   | S -<br>Sp 8    | S -<br>Au 23   | Jl 1<br>Sp 6   | S -<br>Au 28   | Sp 10          | S -<br>Sp 3    | S -<br>Au 9    | -              | -              | S -<br>Au 17   |
| Eastern Kingbird                   | S -<br>Sp 8    | S -<br>Au 23   | Jl 1<br>Sp 15  | S -<br>Au 30   | Sp 10          | S -<br>Sp 3    | S -<br>Sp 18   | S -<br>Sp 11   | S -<br>Au 4    | S -<br>Sp 24   |
| Horned Lark                        | P<br>Ot 30     | S -<br>Ot 30   | P              | P              | -              | P              | P              | -              | Dm 19          | P              |
| Purple Martin                      | -              | -              | Jl 16<br>Au 24 | S -<br>Au 23   | Au 30          | S -<br>Sp 8    | Jl 4<br>Sp 23  | -              | Sp 6           | S -<br>Sp 11   |
| Tree Swallow                       | -              | -              | -              | -              | -              | Jl 11<br>Jl 18 | -              | Sp 6<br>Ot 10  | Au 27<br>Ot 23 | -              |
| Northern Rough-winged Swallow      | Jl 17<br>Au 6  | -              | -              | S -<br>Au 20   | -              | S -<br>Au 13   | Au 12<br>Sp 7  | S -<br>Jl 6    | Sp 6<br>Sp 22  | S -<br>Ot 18   |
| Bank Swallow                       | -              | -              | Jl 15<br>Au 24 | Jl 3<br>Au 20  | -              | -              | Au 28<br>Sp 11 | S -<br>Sp 22   | S -<br>Jl 29   | -              |
| Cliff Swallow                      | S -<br>Au 31   | -              | S -<br>Au 24   | S -<br>Au 23   | -              | -              | Au 28<br>Sp 5  | Jl 30<br>Sp 11 | Sp 6<br>Ot 18  | S -<br>Ot 18   |
| Barn Swallow                       | S -<br>Ot 2    | S -<br>Sp 9    | Jl 15<br>Sp 5  | S -<br>Ot 2    | Ot 1           | S -<br>Sp 21   | S -<br>Ot 17   | S -<br>Ot 25   | Sp 8<br>Ot 10  | S -<br>Ot 18   |
| Blue Jay                           | P<br>Jl 1      | S -<br>Dm 12   | Au 2           | P              | Dm 6           | P              | P              | S -<br>No 27   | P              | P              |
| Pinyon Jay                         | Au 10<br>Dm 31 | -              | -              | -              | -              | -              | -              | -              | -              | -              |
| Black-billed Magpie                | P              | -              | Dm 3<br>X      | P              | -              | P              | -              | No 20<br>Dm 11 | -              | -              |
| American Crow                      | P<br>Ot 5      | S -<br>Ot 5    | Dm 18          | P              | -              | P              | P              | P              | P              | P              |
| Black-capped Chickadee             | P              | -              | Ot 8<br>Dm 22  | P              | P              | P              | P              | P              | P              | P              |
| Tufted Titmouse                    | -              | -              | -              | -              | -              | -              | -              | -              | X              | P              |
| Red-breasted Nuthatch              | P              | Sp 29          | Au 16<br>Dm 18 | Ot 26<br>Dm 16 | Dm 6           | -              | Au 29<br>Dm 17 | -              | Dm 19          | Au 30<br>Dm 20 |
| White-breasted Nuthatch            | Jl 17          | -              | Au 15<br>Dm 30 | Sp 7<br>Dm 27  | Dm 31          | P              | P              | P              | Sp 22<br>X     | P              |
| Pygmy Nuthatch                     | Ot 17          | -              | -              | -              | -              | -              | -              | -              | -              | -              |
| Brown Creeper                      | Ot 18<br>Dm 20 | Ot 21<br>Ot 23 | No 23<br>Dm 13 | Ot 28<br>Dm 28 | Ot 30<br>No 27 | No 7           | Ot 21<br>Dm 31 | No 20<br>Dm 11 | H              | Jl 11<br>Dm 24 |
| Rock Wren                          | S -<br>Ot 1    | -              | -              | -              | -              | -              | -              | -              | -              | -              |
| Carolina Wren                      | -              | -              | -              | -              | -              | -              | Ot 28<br>Dm 30 | -              | -              | Sp 2<br>Dm 26  |
| House Wren                         | S -<br>Ot 2    | Sp 14<br>Au 6  | Jl 15<br>Au 26 | S -<br>Au 26   | Sp 25          | S -<br>Sp 16   | S -<br>No 20   | S -<br>Ot 2    | S -<br>Ot 7    | S -<br>Ot 17   |
| Winter Wren                        | -              | -              | -              | -              | -              | -              | -              | -              | Ot 5<br>Dm 26  | -              |
| Sedge Wren<br>(Short-billed Marsh) | -              | -              | -              | -              | -              | Au 13<br>Sp 15 | Jl 24<br>Ot 30 | -              | Au 4           | Jl 31<br>Ot 26 |

|                             | Scotts<br>Bluff | McPh.<br>Bluff | Lin-<br>coln   | Howard<br>Hall | Adams          | Boone          | Lan-<br>caster | Saun-<br>ders  | Wash.<br>Searcy | Doug.<br>Searcy    |
|-----------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|--------------------|
| Marsh Wren<br>(Long-billed) | -               | -              | -              | -              | -              | Au 13<br>Sp 16 | No 21          | -              | Au 4<br>Sp 8    | Sp 25<br>Ot 28     |
| Golden-crowned<br>Kinglet   | -               | -              | -              | Dm 18<br>Dm 23 | Ot 23<br>No 24 | No 5<br>Dm 31  | Ot 7<br>Dm 31  | No 20<br>Dm 11 | X               | Ot 13<br>Dm 26     |
| Ruby-crowned Kinglet        | Ot 30           | Au 22<br>Ot 5  | -              | -              | Ot 26<br>Ot 30 | Sp 16          | Sp 18<br>No 2  | Ot 2<br>Ot 9   | Sp 22<br>Ot 7   | Sp 8<br>No 1       |
| Blue-gray Gnatcatcher       | -               | -              | -              | -              | -              | -              | Jl 10          | -              | -               | -                  |
| Eastern Bluebird            | -               | -              | Ot 15<br>Dm 10 | S -<br>Dm 18   | -              | S -<br>Jl 10   | Sp 16<br>Ot 15 | Jl 10<br>No 27 | X               | P                  |
| Mountain Bluebird           | Jl 6<br>Ot 4    | -              | -              | -              | -              | -              | -              | -              | -               | NoN 9 <sup>+</sup> |
| Townsend's<br>Solitaire     | Sp 24<br>Dm 18  | Sp 29<br>Ot 1  | -              | Dm -           | -              | -              | -              | -              | -               | -                  |
| Veery                       | -               | -              | -              | Au 26<br>Au 28 | -              | -              | -              | -              | -               | -                  |
| Gray-cheeked Thrush         | -               | -              | -              | -              | -              | Sp 13<br>Sp 17 | -              | -              | -               | No 28              |
| Swainson's Thrush           | Ot 2<br>Sp 17   | Sp 13<br>Sp 17 | Ot 5           | -              | Sp 6           | Sp 12<br>Ot 2  | Ot 2           | -              | -               | Sp 2<br>Ot 26      |
| Hermit Thrush               | -               | Ot 3           | -              | -              | -              | -              | Ot 18<br>Ot 21 | -              | -               | Ot 13              |
| Wood Thrush                 | -               | -              | -              | -              | -              | -              | Jl 10<br>Au 7  | S -<br>Au 7    | Au 4<br>Sp 20   | S -                |
| American Robin              | S -<br>- W      | S -<br>Ot 28   | Jl 1<br>Dm 18  | S -<br>DmX18   | Dm 20          | S -<br>Dm 31   | S -<br>Dm 31   | P<br>NoX13     | S -<br>Dm 18    | S -                |
| Gray Catbird                | -               | Sp 5<br>Sp 22  | -              | S -<br>Au 25   | S -<br>Au 15   | S -<br>Ot 1    | S -<br>Sp 28   | S -<br>Ot 25   | S -<br>Sp 22    | S -<br>Sp 25       |
| Northern Mockingbird        | -               | -              | -              | S -<br>Au 28   | -              | -              | Dm 28<br>- W   | S -<br>Au 24   | -               | -                  |
| Brown Thrasher              | S -<br>Au 21    | Sp 5<br>Ot 1   | Jl 1<br>Sp 27  | S -<br>Ot 16   | Sp 18          | S -<br>Sp 15   | S -<br>OtX27   | S -<br>Ot 25   | S -<br>No 20    | S -<br>Ot 10       |
| Water Pipit                 | Ot 2            | -              | Ot 14          | -              | -              | -              | -              | -              | No 9            | -                  |
| Cedar Waxwing               | Ot 1<br>No 19   | Ot 12<br>Dm 30 | Ot 14<br>DmX18 | Jl 10<br>DmX18 | Ot 17          | Sp 10          | Jl 5<br>NoX13  | Sp 4<br>Dm 11  | X               | S -<br>Dm 18       |
| Northern Shrike             | No 5<br>Dm 25   | Sp 15<br>Sp 18 | -              | X              | Sp 7           | -              | -              | -              | -               | -                  |
| Loggerhead Shrike           | S -<br>Sp 9     | -              | Au 24<br>Sp 20 | Jl 10<br>No 6  | -              | Jl 1<br>Sp 9   | S -<br>DmX18   | Jl 31          | -               | S -<br>No 6        |
| European Starling           | P               | Ot 10<br>Ot 30 | P              | P              | P              | P              | P              | P              | P               | P                  |
| White-eyed Vireo            | -               | -              | -              | -              | -              | -              | Sp 23          | -              | -               | -                  |
| Bell's Vireo                | -               | -              | -              | Jl 10<br>Au 8  | -              | -              | -              | Jl 24          | -               | S -<br>Sp 6        |
| Solitary Vireo              | -               | -              | -              | -              | -              | Sp 13<br>Sp 15 | Sp 16<br>Sp 20 | Sp 25          | -               | Au 29<br>Sp 30     |
| Yellow-throated Vireo       | -               | -              | -              | -              | -              | Sp 15          | -              | -              | Au 4            | S -<br>Sp 8        |
| Warbling Vireo              | -               | -              | -              | S -<br>Au 12   | Au 23<br>Sp 26 | Jl 1<br>Sp 16  | S -<br>Sp 18   | S -<br>Ot 4    | Sp 6            | S -<br>Sp 8        |
| Red-eyed Vireo              | S -<br>Jl 4     | -              | -              | S -<br>Au 8    | Jl 18<br>Sp 7  | Sp 12<br>Sp 17 | Au 23<br>Sp 17 | S -<br>Sp 4    | Au 4            | S -<br>Sp 21       |

|                              | Scotts<br>Bluff | McPh.<br>Bluff | Lin-<br>coln   | Howard<br>Hall | Adams         | Boone          | Lan-<br>caster | Saun-<br>ders | Wash.         | Doug.<br>Sarpy |
|------------------------------|-----------------|----------------|----------------|----------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Blue-winged Warbler          | -               | -              | -              | -              | -             | -              | -              | -             | -             | Au 29<br>Au 31 |
| Golden-winged Warbler        | -               | -              | -              | -              | -             | -              | -              | -             | -             | Au 29          |
| Tennessee Warbler            | -               | Ot 5           | -              | Ot 8<br>Ot 10  | Sp 25         | Sp 15          | Sp 16<br>Sp 18 | Ot 2          | -             | Sp 25          |
| Orange-crowned Warbler       | Sp 27<br>Ot 2   | Ot 5           | -              | -              | Ot 31         | -              | Sp 16<br>Ot 8  | Ot 2<br>Ot 9  | Sp 22<br>Ot 7 | Au 29<br>Ot 23 |
| Nashville Warbler            | -               | Sp 20          | -              | -              | -             | Sp 13<br>Sp 17 | Au 29<br>Ot 25 | Ot 9          | Sp 22<br>Ot 7 | Au 29<br>Ot 5  |
| Northern Parula              | -               | -              | -              | -              | -             | -              | -              | -             | -             | S -<br>Au 29   |
| Yellow Warbler               | S -<br>Sp 12    | -              | S -<br>Jl 16   | S -<br>Au 2    | Au 22<br>Sp 8 | S -<br>Sp 17   | Jl 11<br>Au 26 | -             | S -<br>Au 4   | S -<br>Au 23   |
| Chestnut-sided Warbler       | -               | -              | -              | -              | -             | Sp 17          | -              | -             | -             | Au 23<br>Sp 27 |
| Magnolia Warbler             | -               | -              | -              | -              | -             | Sp 12<br>Sp 14 | Sp 24          | -             | -             | -              |
| Black-throated Blue W.       | -               | Ot 5           | -              | -              | -             | -              | -              | -             | -             | -              |
| Yellow-rumped Warb.          | Sp 27<br>Dm 15  | -              | Sp 30<br>Ot 15 | Dm 18          | Ot 23         | Ot 23<br>Ot 24 | Sp 21<br>Ot 21 | Ot 2<br>Ot 30 | 7             | Sp 20<br>Dm 11 |
| Black-throated Green Warbler | -               | -              | -              | -              | -             | Sp 16          | -              | -             | -             | Ot 4<br>Ot 11  |
| Blackburnian Warbler         | -               | -              | -              | -              | -             | Sp 15          | Sp 21          | -             | -             | Au 29<br>Au 31 |
| Yellow-throated Warbler      | -               | Sp 9<br>Sp 15  | -              | -              | -             | -              | -              | -             | -             | -              |
| Bay-breasted Warbler         | -               | -              | -              | -              | -             | -              | -              | -             | -             | Sp 25          |
| Black-and-white Warbler      | -               | Sp 8<br>Sp 10  | -              | -              | -             | Sp 13<br>Sp 15 | Sp 18          | -             | -             | AuN29<br>Sp 21 |
| American Redstart            | Sp 20<br>Sp 8   | Au 11<br>Sp 8  | -              | -              | Sp 2          | Sp 12<br>Sp 14 | Sp 23          | -             | -             | S -<br>Sp 18   |
| Prothonotary Warbler         | -               | -              | -              | -              | -             | -              | -              | -             | -             | S -<br>Jl 7    |
| Ovenbird                     | -               | Sp 2<br>Sp 16  | -              | -              | -             | Sp 13<br>Sp 14 | -              | -             | -             | S -<br>Au 20   |
| Northern Waterthrush         | -               | -              | -              | -              | -             | Sp 13<br>Sp 17 | -              | -             | -             | S -<br>Au 27   |
| Louisiana Waterthrush        | -               | -              | -              | -              | -             | -              | -              | -             | -             | S -<br>Au 21   |
| Connecticut Warbler          | -               | -              | -              | -              | -             | -              | Ot 26          | -             | -             | Sp 21          |
| Mourning Warbler             | -               | -              | -              | -              | -             | Sp 12<br>Sp 17 | Au 23<br>No 2  | -             | -             | Au 27<br>Sp 25 |
| MacGillivray's Warb.         | Sp 20           | -              | -              | -              | -             | Sp 13          | -              | -             | -             | -              |
| Common Yellowthroat          | S -<br>Sp 5     | Sp 9<br>Sp 20  | Jl 1<br>Au 8   | S -<br>Au 20   | -             | Jl 1<br>Sp 16  | S -<br>Sp 23   | S -<br>Ot 2   | S -<br>Sp 8   | S -<br>Sp 30   |
| Wilson's Warbler             | Sp 22<br>Ot 10  | Au 16<br>Ot 4  | Sp 20          | -              | Sp 6          | Sp 15<br>Sp 16 | Au 23<br>Sp 22 | -             | -             | Au 21<br>Sp 16 |
| Canada Warbler               | -               | -              | -              | -              | -             | Sp 12<br>Sp 16 | Au 23          | -             | -             | Au 28<br>Sp 1  |
| Yellow-breasted Chat         | S -<br>Au 8     | Sp 2<br>Sp 13  | -              | S -<br>Au 10   | -             | S -<br>Sp 16   | Sp 17          | -             | -             | Jl 5           |

|                           | Scotts<br>Bluff | McPh.<br>coln  | Lin-<br>coln   | Howard<br>Hall | Adams        | Boone          | Lan-<br>caster | Saun-<br>ders  | Wash.<br>ders | Doug.<br>Sarpy |
|---------------------------|-----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|---------------|----------------|
| Summer Tanager            | -               | -              | -              | -              | -            | -              | -              | -              | -             | Au 18<br>Sp 28 |
| Scarlet Tanager           | -               | -              | -              | S-<br>Au 2     | Au 21        | -              | -              | -              | -             | S -<br>Ot 5    |
| Northern Cardinal         | -               | -              | No 20<br>Dm 20 | P              | P            | P              | P              | P              | P             | P              |
| Rose-breasted<br>Grosbeak | -               | -              | Jl 10<br>Au 16 | S -            | Sp 2         | S -            | S -            | S -            | S -           | S -<br>Sp 26   |
| Black-headed Grosb.       | -               | -              | -              | -              | -            | Note           | -              | -              | -             | No 16          |
| Blue Grosbeak             | S -<br>Au 31    | -              | S -<br>Au 8    | -              | -            | -              | -              | -              | -             | S -<br>Sp 14   |
| Lazuli Bunting            | S -<br>Au 20    | -              | -              | -              | -            | -              | -              | -              | -             | -              |
| Indigo Bunting            | Jl 17           | -              | -              | S -<br>Au 12   | -            | S -<br>Au 13   | S -<br>Au 28   | S -<br>Sp 7    | S -<br>Au 4   | S -<br>Sp 25   |
| Dickcissel                | -               | Jl 1           | S -<br>Jl 15   | S -<br>Au 8    | Jl 21        | S -<br>Au 13   | S -<br>Sp 1    | S -<br>Au 6    | S -<br>Au 4   | S -<br>Sp 28   |
| Rufous-sided Towhee       | S -<br>Ot 4     | Sp 19<br>Ot 17 | -              | S -<br>Au 24   | No 1         | Ot 24<br>No 12 | Jl 11<br>NoX14 | S -<br>Ot 25   | -             | S -<br>Dm 10   |
| Am. Tree Sparrow          | Ot 18<br>Dm 31  | -              | Dm 18<br>Dm 20 | Ot 16<br>DmX18 | No 14        | Ot 24<br>Dm 31 | Ot 7<br>Dm 31  | Ot 30<br>Dm 19 | No 9<br>W     | C 14           |
| Chipping Sparrow          | S -<br>Ot 4     | -              | -              | Au 12          | S -<br>Ot 31 | S -<br>Au 15   | S -<br>Au 25   | -              | S -<br>Ot 10  | S -<br>Dm 31   |
| Clay-colored<br>Sparrow   | Ot 4            | Au 26<br>Ot 5  | -              | -              | Ot 31        | Ot 10          | -              | -              | -             | Ot 18          |
| Field Sparrow             | -               | Sp 9<br>Ot 13  | Ot 10          | S -<br>Au 10   | Ot 16        | S -<br>Au 13   | S -<br>No 7    | S -<br>Au 7    | S -<br>Sp 6   | S -<br>Ot 26   |
| Vesper Sparrow            | Jl 17<br>Dm 18  | -              | Ot 14          | -              | -            | Sp 15          | Ot 30          | -              | -             | S -<br>Ot 26   |
| Lark Sparrow              | S -<br>Sp 8     | S -<br>Au 26   | Au 1           | S -<br>Au 20   | -            | Sp 14          | S -<br>Au 16   | S -<br>Jl 10   | S -<br>Au 4   | -              |
| Lark Bunting              | S -<br>Au 30    | S -<br>Jl 1    | Au 24          | S -<br>Au 2    | -            | -              | -              | -              | -             | -              |
| Savannah Sparrow          | -               | Jl 18          | -              | -              | -            | Sp 14<br>Ot 12 | Ot 15          | -              | -             | Sp 25          |
| Baird's Sparrow           | -               | -              | Ot 23          | -              | -            | -              | -              | -              | -             | -              |
| Grasshopper Sparrow       | -               | S -<br>Jl 1    | -              | S -<br>Au 10   | -            | Jl 3<br>Au 13  | S -<br>Sp 19   | S -<br>Sp 7    | -             | S -<br>Jl 12   |
| Le Conte's Sparrow        | -               | -              | -              | -              | -            | -              | Ot 24<br>Ot 30 | -              | -             | Sp 25<br>Ot 26 |
| Fox Sparrow               | -               | Ot 15<br>Ot 16 | -              | -              | -            | Ot 24<br>No 12 | Ot 16<br>Ot 14 | -              | -             | Ot 20<br>Dm 18 |
| Song Sparrow              | Ot 2            | Ot 13<br>Ot 15 | -              | Dm 18<br>X     | Ot 16        | Sp 10<br>No 5  | Jl 11<br>Dm 31 | S -<br>No 27   | No 9<br>X     | P              |
| Lincoln's Sparrow         | -               | Sp 6<br>Sp 11  | -              | -              | -            | Sp 13<br>Ot 24 | Ot 5<br>OtX25  | Sp 25<br>Ot 2  | -             | Sp 24<br>No 5  |
| Swamp Sparrow             | -               | -              | -              | -              | -            | S -<br>Au 13   | Ot 24<br>NoX21 | Ot 2           | X             | Au 27<br>Dm 18 |
| White-throated<br>Sparrow | -               | Ot 5<br>Ot 23  | -              | Dm 2<br>Dm 18  | -            | Ot 24<br>No 12 | Sp 30<br>DmX17 | Sp 25<br>No 20 | Sp 22<br>Ot 7 | Sp 24<br>Dm 20 |

|                         | Scotts Bluff   | McPh. Bluff    | Lincoln        | Howard Hall    | Adams | Boone          | Lan- caster    | Saun- ders     | Wash.          | Doug. Sarpy    |
|-------------------------|----------------|----------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|----------------|
| White-crowned Sparrow   | Sp 20<br>Dm 18 | Ot 22<br>Ot 26 | Ot 12<br>Dm 30 | Dm 3<br>DmX15  | Dm 24 | Ot 24          | Ot 21<br>X     | Ot 2           | -              | Ot 9<br>Dm 31  |
| Harris' Sparrow         | Ot 20<br>Dm 18 | Ot 5<br>Ot 26  | Ot 12<br>X     | Ot 8<br>DmX18  | Ot 16 | Ot 24<br>Dm 31 | Ot 10<br>Dm 31 | Ot 2<br>Dm 11  | No 9<br>Dm 19  | Sp 25<br>DmX10 |
| Dark-eyed Junco         | Sp 23<br>Dm 31 | Sp 26<br>Ot 26 | No 18<br>Dm 31 | Ot 20<br>Dm 30 | Ot 8  | Ot 24<br>Dm 31 | Sp 29<br>Dm 31 | Ot 19<br>Dm 11 | No 9<br>Dm 19  | Sp 28<br>Dm 31 |
| Lapland Longspur        | -              | -              | -              | -              | -     | No 10          | X              | -              | X              | -              |
| Bobolink                | -              | -              | Jl 1<br>Au 10  | S -<br>Au 3    | -     | S -<br>Sp 15   | -              | -              | -              | Jl 1           |
| Red-winged Blackbird    | P<br>Ot 30     | S -<br>Ot 30   | Jl 1<br>X      | S -<br>AuX25   | Sp 15 | P              | S -<br>NoX14   | S -<br>Sp 17   | Sp 8<br>NoX13  | S -<br>Dm 18   |
| Eastern Meadowlark      | -              | -              | -              | S -<br>Au 4    | -     | -              | S -<br>JlX24   | -              | -              | S -<br>No 26   |
| Meadowlark sp.          | -              | -              | -              | -              | -     | -              | Au 28<br>Dm 31 | -              | Dm 19          | P              |
| Western Meadowlark      | P<br>Ot 4      | S -<br>Ot 4    | P<br>Dm 31     | S -<br>Dm 31   | Ot 21 | S -<br>Ot 24   | S -<br>Dm 18   | S -<br>Jl 31   | Sp 22          | S -<br>No 26   |
| Yellow-headed Blackbird | S -<br>Sp 20   | S -<br>Ot 30   | Au 1           | Sp 10          | -     | Sp 14          | Jl 4<br>Au 29  | -              | -              | S -<br>Sp 11   |
| Rusty Blackbird         | -              | -              | -              | -              | -     | No 5<br>Dm 31  | X              | -              | No 13<br>X     | Ot 20<br>Dm 16 |
| Brewer's Blackbird      | -              | -              | -              | -              | -     | No 5<br>Dm 31  | Ot 31<br>X     | -              | -              | -              |
| Great-tailed Grackle    | -              | -              | -              | S -<br>Au 12   | -     | -              | -              | -              | -              | -              |
| Common Grackle          | S -<br>Ot 2    | Jl 1<br>Ot 30  | Jl 1<br>X      | S -<br>DmX 5   | Ot 29 | S -<br>Dm 31   | S -<br>DmX18   | S -<br>Ot 30   | X              | S -<br>Dm 25   |
| Brown-headed Cowbird    | S -<br>Ot 2    | Jl 1<br>Jl 4   | Sp 20          | S -<br>AuX30   | -     | S -<br>Sp 24   | S -<br>NoX20   | S -<br>Jl 31   | No 9<br>X      | S -<br>No 16   |
| Orchard Oriole          | S -<br>Au 14   | S -<br>Sp 8    | S -<br>Au 24   | S -<br>Au 28   | -     | S -<br>Sp 14   | S -<br>Au 8    | S -<br>Au 6    | -              | S -<br>Au 11   |
| Northern Oriole         | S -<br>Au 24   | -<br>Au 30     | Jl 1<br>Au 30  | S -<br>Sp ?    | Sp 20 | S -<br>Sp 17   | S -<br>Sp 5    | S -<br>Ot 4    | S -<br>NoX24   | S -<br>Sp 11   |
| Purple Finch            | -              | -              | X              | X              | -     | -              | No 12<br>Dm 31 | Ot 30<br>Dm 11 | -              | Ot 20<br>Dm 31 |
| Cassin's Finch          | -              | -              | -              | -              | -     | -              | Dm 7<br>Dm 9   | -              | -              | -              |
| House Finch             | P              | -              | Ot 15<br>Dm 31 | -              | -     | -              | -              | -              | -              | -              |
| Red Crossbill           | Ot 17          | -              | -              | -              | -     | -              | -              | -              | -              | -              |
| Common Redpoll          | -              | -              | Dm 30          | -              | -     | -              | -              | -              | X              | -              |
| Pine Siskin             | Jl 1<br>Dm 19  | Sp 24          | X              | -              | -     | -              | Dm 1<br>X      | -              | -              | No 12<br>Dm 28 |
| American Goldfinch      | P<br>Sp 13     | S -<br>Dm 31   | Au 8           | P              | Dm 29 | P              | P              | P              | S -<br>Dm 19   | P              |
| Evening Grosbeak        | -              | -              | Au 24          | -              | -     | -              | -              | -              | -              | No 17          |
| House Sparrow           | P<br>Ot 31     | S -<br>Ot 31   | P              | P              | P     | P              | P              | P              | Sp 22<br>Dm 19 | P              |

Sarpy, see Douglas.

Saunders, Morse Bluff, 103 species, Rev. T.A. Hoffman, reporter.

Scottsbluff, Gering, 124 species, Mrs. Alice Kenitz, reporter, Mary Ann Banghart, J.J. Brashear, Lydia Bolz.

Washington, DeSoto NWR, 127 species, Tanya Bray, Loren and Babs Padelford, reporters, Eunice Kawamoto, David Menke, Andy Saunders. Mr. Menke photographed the late Northern Oriole. He said it looked cold, but was eating berries and was quite active. The same day he also saw the late Brown Thrasher. This report also includes Neale Woods, in northern Douglas County.

## 1982 CHRISTMAS COUNT

One hundred and one species (thirteen more than last year) were reported in the 1982 Christmas Count, and one species (the same as last year) was reported present during the count period but not recorded on the count day on any count. Eight localities reported this year, one more than last year, Kearney being the addition. Two additional races (Flickers were not shown on the tabulation) were reported, the same as last year, and one hybrid was reported this year, with none last year. Sixteen species were reported on all of the counts, compared to nineteen last year. The total individual count this year was 302,646, compared to 64,054. The Snow Goose count accounted for about 190,000 of the difference, and the Mallard count for almost 50,000.

The columns are arranged in an approximate west (left) to east (right) order, with the northernmost of those of about equal longitude given first. The symbol "H" is used to indicate a species present during the count week but not recorded on the count day. Figures which were underlined in the report are underlined in the tabulation, and those marked "low" are overlined.

DeSoto National Wildlife Refuge, 19 December, the count circle centered on the Refuge headquarters building, west to Blair and east to Missouri Valley, Iowa, including all of the Refuge, Wilson Island, Fort Calhoun; elevation 992 to 1375 feet; habitat coverage: cultivated fields 40%, woodland 40%, water areas 15%, residential 5%; 5:30 A.M. to 5:00 P.M.; A.M. mostly clear, P.M. partly cloudy, 24° to 46° F.; wind east 5 to 15 mph; no snow cover; fresh water mostly frozen; wild food crop poor. Twenty-nine observers, 28 in 7 parties, 1 at feeders. Total party-hours 55.75 (21.25 on foot, 34.5 by car) plus 2 at feeders, 4 owling; total party miles 401 (25 on foot, 376 by car) plus 15 miles owling. Herman Badberg, Leola Badberg, Scott Baumfalk, Marjorie Birkmann, Tanya Bray, Jim Conway, Charlie Frisk, Allen Grennon, Betty Grenon, Lori Hahn, Kris Hoffman, Thomas Hoffman, Jim Kovanda, Sandy Kovand, Carey Martin, Dave Menke (compiler), Brad Montgomery, Steve Moorman, Babs Padelford, Loren Padelford, Neal Ratzlaff, Lisa Shafer, Ross Silcock, Rick Sojda, Bob Starr, Eric Volden, Tom Walker, Barb Wilson, Jeff Witt. The lone Bobwhite was the lowest count for any of the 6 counts made so far, and the Mourning Dove figure was the highest for any count. Greater Scaup, Ruddy Duck, Hooded Merganser, and Red-breasted Nuthatch were recorded for the first time on a count, and Common Redpolls for the first time since the first count (1977). The Snow Geese were reported as 37,531 white form and 29,489 blue form.

Grand Island, 19 December; elevation around 1860 feet; clear, 52°, wind south 5 to 8 mph; no snow cover. Eleven observers. Total party hours 26 (5 on foot, 21 by car); total party miles 244 (7 on foot, 237 by car). Vera Coons, Dennis Grundman, Thomas Labedz, Gary Lingle (compiler), Bee Mellin, Jim Meyer, Gene and June Miller, Roland and Lou Reynolds, Bill Whitney.

Kearney, 31 December, a 15-mile diameter circle centered at the bridge over the Platte River south of Kearney, including Kearney Cemetery, Harmon park, Cottonmill Lake Park, Odessa bridge, Fort Kearney State Historical Park, Kearney County Recreation Area, Hike-Bike Trail, Fawn Lake area, and connecting streets and roads; habitat coverage: parks and cemetery 40%, river bottomlands 30%, roadsides 30%; 8:00 A.M. to 12 noon, 1:00 P.M. to 5:00 P.M.; sunny, 8° to 30° F., wind 7 mph or less; ground covered with about 10 inches of snow which fell 27 December, and which was much drifted; river completely frozen in the Kearney area but wide open at Odessa. Twenty observers in 1 party, total party miles 61.5 (2.5 on foot, 59 by car). Denise Anderson, Mardi Anderson, John C. W. Bliese (reporter), Margaret Bliese, George Brown, Marian Brown, Mikel Cary, Alice Heckman (compiler), Jennifer Heckman, Justin Heckman, Chad Johnson, Beverly Kimball, Kenneth Kimball, Harold Nagel, Linda Price, Robert Price, Norma Radford, Leonard Silver, Elaine Springer, Joe Springer.

Lincoln, 19 December, the count circle centered on South Codington and A to include Pioneers Park, about 8 miles of Wilderness Park, Lagoon Park, Yankee Lake and Conestoga

— Text continued on page 17

|                      | Scotts-bluff | North Platte | Kearney | Grand Island | Lincoln    | DeSoto   | Omaha   | Tri-state |
|----------------------|--------------|--------------|---------|--------------|------------|----------|---------|-----------|
| Great Blue Heron     | -            | -            | -       | -            | 2          | 2        | 3       | 1         |
| Gr. White-fronted G. | -            | 1            | -       | -            | -          | 35       | -       | -         |
| Snow Goose           | -            | -            | -       | -            | -          | 67,020   | 127,000 | -         |
| Ross' Goose          | -            | -            | -       | -            | -          | 2        | -       | -         |
| Canada Goose         | 215          | 1,370        | 65      | 3            | <u>83</u>  | 106      | -       | 40        |
| Wood Duck            | -            | -            | -       | 1            | -          | 1        | -       | -         |
| Green-winged Teal    | -            | -            | -       | -            | -          | 8        | -       | -         |
| American Black Duck  | -            | -            | -       | -            | -          | 5        | 1       | -         |
| Mallard              | 348          | 106          | 365     | <u>1,990</u> | <u>376</u> | 56,650   | 472     | 175       |
| Mallard X Am. Wigeon | -            | -            | -       | -            | -          | 1        | -       | -         |
| Northern Pintail     | -            | -            | -       | <u>4</u>     | -          | 39       | 7       | -         |
| Northern Shoveler    | -            | -            | -       | 1            | -          | -        | -       | -         |
| Gadwall              | -            | -            | -       | -            | -          | 2        | -       | -         |
| American Wigeon      | -            | 5            | -       | <u>62</u>    | -          | 30       | -       | -         |
| Ring-necked Duck     | <u>1</u>     | -            | -       | -            | -          | -        | -       | -         |
| Greater Scaup        | -            | -            | -       | -            | -          | <u>1</u> | -       | -         |
| Lesser Scaup         | -            | -            | -       | 4            | -          | -        | -       | -         |
| Scaup sp.            | -            | -            | -       | -            | -          | 2        | -       | -         |
| Common Goldeneye     | -            | -            | -       | 1            | 1          | 104      | 27      | -         |
| Hooded Merganser     | -            | -            | -       | -            | -          | <u>1</u> | 1       | -         |
| Common Merganser     | -            | -            | -       | -            | -          | 23       | 11      | -         |
| Ruddy Duck           | -            | -            | -       | -            | -          | <u>2</u> | -       | -         |
| Duck sp.             | -            | -            | -       | -            | -          | 3        | -       | -         |
| Bald Eagle           | 1            | 6            | 2       | 2            | -          | 41       | 12      | -         |
| adults               | (1)          | -            | -       | -            | -          | (31)     | (9)     | -         |
| immatures            | -            | -            | -       | -            | -          | (10)     | (3)     | -         |
| undesignated         | -            | (6)          | (2)     | (2)          | -          | -        | -       | -         |
| Eagle sp.            | -            | -            | -       | 1            | -          | -        | -       | -         |
| Northern Harrier     | 3            | 2            | 1       | 13           | 2          | 1        | -       | -         |
| Sharp-shinned Hawk   | -            | -            | -       | -            | 2          | 4        | 1       | 1         |
| Cooper's Hawk        | -            | -            | -       | 1            | 1          | -        | -       | -         |
| Northern Goshawk     | -            | -            | -       | -            | 1          | -        | 1       | -         |
| Accipiter sp.        | -            | -            | -       | -            | -          | -        | 1       | 1         |
| Swainson's Hawk      | 2            | -            | -       | -            | -          | -        | -       | -         |
| Red-tailed Hawk      | 3            | 2            | 1       | 12           | 19         | 39       | 46      | 18        |
| Ferruginous Hawk     | <u>1</u>     | -            | -       | -            | -          | -        | -       | -         |
| Rough-legged Hawk    | 3            | 1            | -       | <u>15</u>    | 2          | -        | -       | 1         |
| Buteo sp.            | -            | -            | -       | -            | -          | 1        | 9       | -         |
| Golden Eagle         | -            | -            | 1       | -            | 1          | -        | -       | -         |
| American Kestrel     | 6            | 21           | 4       | 15           | 15         | 14       | 18      | 12        |
| Merlin               | -            | -            | 1       | 2            | -          | -        | -       | -         |
| Peregrine Falcon     | -            | 1            | -       | -            | -          | -        | -       | -         |
| Prairie Falcon       | 1            | -            | -       | 1            | -          | -        | -       | -         |

|                         | Scotts-bluff | North Platte | Kearney | Grand Island | Lincoln    | DeSoto     | Omaha | Tri-state |
|-------------------------|--------------|--------------|---------|--------------|------------|------------|-------|-----------|
| Ring-necked Pheasant    | 1            | 3            | -       | 20           | 27         | 90         | 13    | 3         |
| Greater Prairie-Chicken | -            | 37           | -       | -            | -          | -          | -     | -         |
| Wild Turkey             | -            | -            | -       | -            | -          | -          | 6     | 47        |
| Northern Bobwhite       | -            | 12           | 35      | 8            | 32         | 1          | 6     | -         |
| Common Snipe            | 1            | -            | -       | -            | -          | -          | -     | -         |
| Ring-billed Gull        | -            | 4            | -       | -            | 3          | -          | 5     | -         |
| Herring Gull            | -            | -            | -       | -            | 5          | -          | -     | -         |
| Rock Dove               | 69           | 84           | 10      | 166          | 253        | 183        | 200   | 290       |
| Mourning Dove           | H            | -            | -       | -            | 19         | <u>159</u> | 10    | 26        |
| Eastern Screech-Owl     | -            | 1            | -       | -            | 20         | 5          | 4     | 6         |
| Great Horned Owl        | 2            | -            | 5       | 1            | 26         | 16         | 15    | 3         |
| Barred Owl              | -            | -            | -       | -            | 2          | -          | -     | 1         |
| Long-eared Owl          | -            | -            | -       | -            | 19         | -          | -     | -         |
| Northern Saw-whet Owl   | -            | -            | -       | -            | 1          | -          | -     | -         |
| Belted Kingfisher       | H            | 1            | 1       | <u>8</u>     | 7          | -          | 6     | 4         |
| Red-headed Woodpecker   | -            | -            | -       | -            | 1          | -          | 18    | -         |
| Red-bellied Woodpecker  | -            | -            | 2       | 1            | 15         | 60         | 68    | 19        |
| Yellow-bell. Sapsucker  | -            | -            | -       | -            | -          | -          | -     | 1         |
| Downy Woodpecker        | 7            | 2            | 12      | 11           | 49         | 106        | 126   | 26        |
| Hairy Woodpecker        | -            | 2            | 2       | 4            | 17         | 9          | 18    | 3         |
| Northern Flicker        | 40           | 11           | 7       | 29           | 24         | 125        | 95    | 22        |
| Horned Lark             | <u>265</u>   | -            | 47      | -            | 28         | 115        | 5     | 379       |
| Blue Jay                | 16           | 2            | 7       | <u>10</u>    | <u>334</u> | 103        | 101   | 72        |
| Pinyon Jay              | 30           | -            | -       | -            | -          | -          | -     | -         |
| Black-billed Magpie     | 57           | 5            | 6       | <u>10</u>    | -          | -          | -     | -         |
| American Crow           | 14           | 46           | 199     | 319          | 205        | 54         | 196   | 120       |
| Black-capped Chickadee  | 54           | 5            | 20      | <u>60</u>    | 240        | 317        | 439   | 46        |
| Tufted Titmouse         | -            | -            | -       | -            | -          | 1          | 18    | 5         |
| Red-breasted Nuthatch   | 2            | -            | 1       | 3            | 2          | 4          | -     | -         |
| White-breast. Nuthatch  | -            | 1            | 6       | <u>13</u>    | 42         | 64         | 105   | 26        |
| Brown Creeper           | H            | -            | 3       | <u>6</u>     | 16         | H          | 8     | 2         |
| Winter Wren             | -            | -            | -       | -            | -          | -          | 2     | -         |
| Golden-crowned Kinglet  | -            | -            | 4       | <u>13</u>    | 23         | 5          | 22    | 17        |
| Eastern Bluebird        | -            | -            | -       | -            | -          | 2          | 25    | 12        |
| Townsend's Solitaire    | 3            | -            | -       | -            | -          | -          | -     | -         |
| American Robin          | 12           | 338          | 88      | 9            | 66         | 1          | 153   | 4         |
| Brown Thrasher          | -            | -            | -       | -            | 1          | -          | -     | -         |
| Cedar Waxwing           | -            | 116          | -       | 12           | 26         | 13         | 29    | 93        |
| Northern Shrike         | 1            | -            | -       | 1            | -          | -          | -     | 1         |
| Loggerhead Shrike       | -            | -            | -       | -            | 3          | -          | -     | 1         |
| Shrike sp.              | -            | -            | -       | 1            | -          | 1          | -     | -         |
| European Starling       | 637          | 893          | 106     | <u>771</u>   | 6,937      | 3,745      | 1,722 | 619       |

|                        | Scotts-bluff | North Platte | Kearney | Grand Island | Lincoln | DeSoto  | Omaha   | Tri-state |
|------------------------|--------------|--------------|---------|--------------|---------|---------|---------|-----------|
| Yellow-rumped Warbler  | H            | -            | -       | -            | -       | -       | -       | -         |
| Northern Cardinal      | -            | 1            | 15      | 13           | 98      | 130     | 166     | 64        |
| Rufous-sided Towhee    | -            | -            | 1       | -            | 2       | -       | 5       | 1         |
| American Tree Sparrow  | 63           | 33           | 7       | 187          | 1,556   | 2,250   | 616     | 187       |
| Vesper Sparrow         | <u>4</u>     | -            | -       | -            | -       | -       | -       | -         |
| Fox Sparrow            | -            | -            | -       | -            | -       | -       | 7       | -         |
| Song Sparrow           | -            | -            | -       | 1            | 26      | 21      | 19      | 26        |
| Lincoln's Sparrow      | -            | -            | -       | -            | 1       | -       | -       | -         |
| Swamp Sparrow          | -            | -            | -       | -            | 1       | 4       | 8       | -         |
| White-throated Sparrow | -            | -            | 2       | -            | 7       | -       | 9       | 3         |
| White-crowned Sparrow  | 7            | -            | -       | 1            | 6       | -       | -       | -         |
| Harris' Sparrow        | 2            | 6            | 5       | 59           | 282     | 32      | 29      | 32        |
| Sparrow sp.            | -            | -            | -       | -            | -       | 11      | -       | -         |
| Dark-eyed Junco        | 87           | 54           | 83      | 116          | 1,181   | 870     | 690     | 1,059     |
| Slate-colored          | (10)         | -            | -       | -            | (515)   | (870)   | -       | -         |
| Oregon                 | (77)         | -            | -       | -            | (3)     | -       | -       | (5)       |
| undesignated           | -            | (54)         | (83)    | (116)        | (563)   | -       | (690)   | (1,054)   |
| Lapland Longspur       | -            | -            | -       | -            | 1       | 150     | -       | 10        |
| Red-winged Blackbird   | 63           | 231          | -       | <u>68</u>    | 49      | 535     | 171     | 4         |
| Eastern Meadowlark     | -            | -            | -       | -            | 98      | -       | -       | -         |
| Western Meadowlark     | <u>3</u>     | -            | 6       | 20           | -       | -       | -       | 2         |
| Meadowlark sp.         | -            | 3            | -       | -            | 6       | 28      | 13      | 36        |
| Rusty Blackbird        | -            | -            | -       | -            | 2       | 20      | -       | 3         |
| Brewer's Blackbird     | -            | -            | -       | -            | 24      | -       | -       | 10        |
| Common Grackle         | -            | 5            | -       | 6            | 2       | 2       | 129     | 3         |
| Brown-headed Cowbird   | -            | -            | -       | <u>2</u>     | 15      | 1       | -       | -         |
| Blackbird sp.          | -            | -            | -       | -            | -       | 400     | 113     | 2         |
| Purple Finch           | -            | 1            | -       | 2            | 15      | -       | 83      | 7         |
| House Finch            | 97           | 34           | 2       | -            | -       | -       | -       | -         |
| Common Redpoll         | -            | -            | -       | -            | -       | 75      | -       | -         |
| Pine Siskin            | 31           | 2            | -       | -            | 2       | -       | 2       | -         |
| American Goldfinch     | 63           | 89           | 15      | 86           | 610     | 99      | 248     | 414       |
| House Sparrow          | 304          | 537          | 741     | 160          | 1,551   | 1,229   | 1,548   | 1,353     |
| Species reported       | 39           | 40           | 37      | 50           | 63      | 50      | 56      | 50        |
| Additional races       | 1            | -            | -       | -            | 2       | -       | -       | 1         |
| Hybrids                | -            | -            | -       | -            | -       | 1       | -       | -         |
| Present but not seen   | 4            | -            | -       | -            | -       | 1       | -       | -         |
| Total individuals      | 2,519        | 4,074        | 1,878   | 4,325        | 14,483  | 135,173 | 134,881 | 5,313     |

Lake areas, eastern half of Pawnee Lake, and Wyuka Cemetery; elevation 1000 to 1300 feet; habitat coverage: deciduous creek bottoms 40%, rural farmland 25%, coniferous woods 15% residential and cemeteries 10%, lakes 5%, city landfill 5%; sunny, up to 50° F. Twenty-seven observers: George and Irene Alexander, Ann Bleed, Naomi Brill, Cindy and David Cochran, Bradley Fuehrer, Daryl (compiler) and Margaret Giblin, Everett and Mildred Gross, Craig

Herzinger, Tom Knott, Bruce Mellberg, Lee Morris, Rosalind Morris, Mr. and Mrs. Bill Mulder, John and Mable Ott, Cynthia Pemberton, Frances Taylor, Angela and Donald Williams, Pete Maslowski, Ken Reitan, Sue Richter. Three of the Flickers were reported as Red-shafted and 17 as Yellow-shafted; most of the Purple Finches and both of the Pine Siskins were reported from feeders; one group of owls was answered by 4 packs of coyotes.

North Platte, 18 December, the count circle centered on Bicentennial and Philip streets; elevation around 2810 feet; 8:00 A.M. to 5:00 P.M.; 42° to 48°; wind NW 20 to 40 mph. Eight observers in 30 parties: Howard and Marie Cunningham, Erma Grill, Betty and Louis McEvoy, Margaret Morton, Howard and Wilma (compiler) Wyman.

Omaha, 18 December, the count circle centered on Offutt AFB Lake, to include Fontenelle Forest, Lake Manawa Iowa State Park, Plattsmouth Waterfowl Refuge, and portions of the Platte and Missouri rivers; elevation 985 to 1200 feet; habitat coverage cultivated fields 50%, woodland 20%, meadows and grassy fields 10%, roadside ditches 10%, rivers and lakes 5%, residential 2%, parks and cemeteries 3%. Thirty-three observers: Russell Benedict, Tanya Bray, Graham Chisholm, Kelly Clarke, James Conway, Terry Cox, Jim Ducey, Douglas Fritz, James Glathar, Ruth Green, Alan Grennon, Betty Grennon, Mary Harberg, Sherry Harvey, Rev. Thomas Hoffman, Gladys Johnson, Eunice Kawamoto, Joanne Kawamoto, Ray Korpi, Jim and Sandy Kovanda, David Menke, Stephen Mitten, Ralph Morocco, Wanda Neaderheiser, Babs and Loren Padelford, Jean Richter, Phil Swanson, Chet Thomas, Priscilla Tubbs, Ray Vodicka, Rick Wright (compiler). The Black Duck was the first one reported for this count.

Scottsbluff, 18 December, the count circle centered on the bridge over the North Platte River at S. Broadway, to include Scottsbluff and Gering; elevation 3810 to 5030 feet; 7:00 A.M. to 4:00 P.M.; A.M. partly cloudy, P.M. partly cloudy; 20° to 43° F.; wind NW 5 to 35 mph; no snow cover; fresh water mostly open, wild food crop good. Nine observers, 8 in 4 parties, 1 at feeder. Total party hours 31.5 (1 on foot, 30.5 by car); total party miles 256 (2 on foot, 254 by car). Dorothy Adcock, Mary Ann Banghart, Lucile Begelow, Lydia Bolz, Joyce Brashear, Mary Harvey, Helen Hughson, Alice Kenitz (compiler), Genevieve Nerud.

Tri-state, 30 December, the count circle centered on Mile 566 on the Missouri River (southeast of Nebraska City), to include Nebraska City and the Missouri River bottoms and farmlands in Nebraska, Waubesa State Park and Hamburg in Iowa, and extreme northwest Missouri down to the Nishnabotna River; 6:00 A.M. to 5:00 P.M.; excellent day, but roads icy from ice storm followed by snow which occurred earlier in the week; 16° to 32° F.; wind SW 0 to 5 mph; snow cover 1 to 6 inches; Fremont Co. drainage ditches and Missouri River open, ponds frozen. Seven observers in 3 parties. Total party hours 28 (foot 3.5, car 24.5); total party miles 272.5 (3.5 on foot, 269 by car). Observers: Tanya Bray, Lone Getscher, Babs Padelford, Tayce Pedersen, B.J. Rose, Ross Silcock (compiler), Barbara Wilson.

## TWO ADDITIONS TO THE NEBRASKA LIST

**OLIVACEOUS CORMORANT** The University of Nebraska State Museum has in its possession a specimen of Olivaceous Cormorant (*Phalacrocorax olivaceus*) taken 2 October 1982 in Sutherland County, Nebraska. The bird was confiscated and turned over to us by a game warden.

—Rick Wright, W504 B Nebraska Hall, Lincoln, Nebraska 68588



PHAINOPEPLA On 1 January 1983, at 8 A.M. I'd just chipped out the birdbath and refilled it with warm water. I was kneeling in the doorway of the garage, preparing goodies for the "children", when stroboscopic flashes of white outside the door caught my eye. I looked back toward the birdbath and noticed a small black bird drinking. I knew it wasn't anything I had ever seen before, so I eased back into the garage to get a closer look out the window (it's much closer to the birdbath, and birds are much less alarmed being watched through glass). I watched it as long as it drank. The white flashes were significant, I knew, though no white showed when the bird was at rest. The slender, black body (thank God for so few field markings!), the tail shape and length, and the cedar waxwing-like crest all seemed adequate for me to identify the bird. It flew away and I flew into the house to try to find the bird in my field guides. The only detail I had to confirm during other sightings was the red eyes, and he had them. The Phainopepla came back four or five times that day to drink. Knowing it might not survive the cold or native birds, I took the photos the first day it came around. I was tied up at work and didn't have as much time for birdwatching as usual, but I did see it again 9 and 25 January and 2 and 13 February. I've not seen it eating anything in the back yard, but I wonder if it might not have been helping itself to food when I was not watching.

—Doug G. Thomas, 1035 Mississippi Avenue, Alliance, Nebraska 69301

(Insert

Olivaceous Cormorant *Phalacrocorax olivaceus*  
after Double-crested Cormorant, (NBR 50:75).

Insert

Family Ptilonotidae  
Phainopepla *Phainopepla nitens*  
before Family Laniidae, (NBR 50:84). )

## A WINTER ROADSIDE SURVEY OF HAWKS IN EASTERN NEMAHA COUNTY, NEBRASKA

### Abstract

During the winters of 1980-81 and 1981-82 roadside surveys of hawks were conducted on 76 square miles (196.8 square kilometers) of Nemaha County, Nebraska. Forty surveys were conducted each winter to acquire baseline data on distribution and populations. Ten species were observed, with the Red-tailed Hawk (49.7%) and the American Kestrel (21.5%) comprising more than 70 % of all sightings. Population estimates for each species were determined by using square mile extrapolation and the bounded count method. Intervals of confidence were calculated in an attempt to determine upper and lower winter population limits.

### Methods

The two-year roadside survey covered 1,712 miles in the north-eastern corner of Nemaha County. The study area is bordered on the east by the Missouri River, on the north by the Otoe County line, and on the west and south by highways 73/75 and 136 respectively.

The 76 square mile area involved is divided into three major geographic units: 1) the Missouri River floodplain comprises approximately 16% of the land mass and is spotted with immature floodplain woodlots of various sizes; 2) the loess bluffs deciduous forest (14%) is an oak-hickory complex that provides considerable habitat for perching and nesting; and 3) the agricultural upland is composed of cultivated land, pasture, woodlots, and riparian woodlands. The upland comprises approximately 70% of the study area. This geographical diversity provides a variety of habitats for our birds of prey.

The area was divided into five surveys that averaged 21.4 miles. Each route was surveyed eight times per year and was structured to reduce the possibility of recounting individual birds. The initial surveys ran from 20 October 1980 to 27 March 1981. During the following year the surveys commenced on 12 October 1981 and ended on 28 March 1982. The initiation of the surveys was determined mainly by leaf fall and subsequent surveys were conducted as environmental conditions allowed. The winter of 1981-82 was much more severe than in 1980-81, causing periods of forced idleness. However, all forty surveys were completed by the end of March.

Identification was aided by using a 15-60x terrestrial telescope and 10-24x binoculars. Sightings were plotted on individual survey maps and later transferred to master copies by species.

### Results and Discussion

The purpose of our study was to accumulate data on all hawk species utilizing the eastern Nebraska habitat and to estimate their winter populations via the roadside survey. This data will be used to monitor changes in populations that may be directly related to loss of habitat. According to a study by Pappas, *et al*, 1982, tree cover in Nemaha County has decreased by 35 percent in the last 25 years. This type of habitat depletion must be monitored in an attempt to maintain and enhance suitable habitat.

Data was accumulated on numbers sighted, perch choice, and geographic distribution. Calculations include a square mile extrapolation as introduced by Craighead and Craighead (1956). In this method, it is assumed that one-quarter mile is surveyed on each side of the roadway and extrapolation results in a population estimation. The resultant figure is assumed to be a minimum since the internal areas of sections are not adequately surveyed using this method.

A second estimate of population was determined by using the bounded count method as described by Overton (1971). The bounded count is a method in which a series of population counts is made with the possibility, however remote, that all individuals may be counted during a single outing. The highest figure obtained during the counting period becomes the minimum estimate. The maximum figure is obtained by using a theorem derived by Quenouilli (1956) at 95% probability. These two figures are then used to establish confidence limits. All population estimates used in the text are those calculated using the bounded counts.

Using the data gathered, a short discussion of each species will follow.

Table 1  
Survey Data by Species

|                     | No. sighted |       | % of total |       | 2 year average |      |
|---------------------|-------------|-------|------------|-------|----------------|------|
|                     | 80-81       | 81-82 | 80-81      | 81-82 | No.            | %    |
| Red-tailed Hawk     | 199         | 138   | 56.4       | 43.1  | 169            | 49.7 |
| American Kestrel    | 50          | 95    | 14.2       | 29.7  | 73             | 21.5 |
| Swainson's Hawk     | 26          | 14    | 7.4        | 4.4   | 20             | 5.9  |
| Northern Harrier    | 16          | 18    | 4.5        | 5.6   | 17             | 5.0  |
| Rough-legged Hawk   | 9           | 13    | 2.6        | 4.1   | 11             | 3.2  |
| Sharp-shinned Hawk  | 2           | 1     | 0.6        | 0.3   | 2              | 0.6  |
| Cooper's Hawk       | -           | 2     | -          | 0.6   | 1              | 0.3  |
| Broad-winged Hawk   | 1           | -     | 0.3        | -     | 1              | 0.3  |
| Ferruginous Hawk    | 1           | -     | 0.3        | -     | 1              | 0.3  |
| Merlin              | 1           | -     | 0.3        | -     | 1              | 0.3  |
| Unidentified Falcon | 1           | 2     | 0.3        | 0.6   | 2              | 0.6  |
| Unidentified Hawk   | 47          | 37    | 13.3       | 11.6  | 42             | 12.4 |
| Total               | 353         | 320   |            |       | 340            |      |

*Red-tailed Hawk*: As in many other areas, our most abundant species is the Red-tailed Hawk (Table 1), comprising 49.7% of all sightings. Nearly half of the 337 Red-tails seen were in the upland, but they are common in all habitats. Of the perching Red-tails observed (Table 2), 80% were using trees which indicates close ties to and continuous use of our forested habitat.

The bounded count method of population estimation (Table 3) was used to calculate the winter Red-tail numbers at 55 which is .72 per square mile (.28 per square kilometer).

*American Kestrel*: The predominant falcon in the area is the American Kestrel. Nearly always sighted perching (Table 2), this species was seen 145 times, representing 21.5% of the 673 hawks seen. The Kestrel is a year-long resident associating with the woodlots of the upland about 77% of the time, but is found in all topographic areas. The winter population is estimated at 36. (Table

3).  
*Swainson's Hawk*: Our next most numerous species was the Swainson's Hawk, with 40 sightings over the winter period. With this raptor, as with many, positive identification is, at best, difficult. The numbers of these hawks seen in our study seem to be out of proportion with the number seen in the midwest in recent years. Therefore, we conclude that our population estimate is high and that future studies should give us a more realistic picture concerning this raptor.

Table 2  
Sighting Situation

|                    | No. Perching | % Perching | No. Flying | % Flying |
|--------------------|--------------|------------|------------|----------|
| Red-tailed Hawk    | 195          | 58         | 142        | 42       |
| American Kestrel   | 128          | 88         | 17         | 12       |
| Swainson's Hawk    | 27           | 68         | 13         | 32       |
| Northern Harrier   | 2            | 6          | 32         | 94       |
| Rough-legged Hawk  | 16           | 73         | 6          | 27       |
| Sharp-shinned Hawk | 2            | 67         | 1          | 33       |
| Cooper's Hawk      | 1            | 50         | 1          | 50       |
| Broad-winged Hawk  | -            | -          | 1          | 100      |
| Ferruginous Hawk   | 1            | 100        | -          | -        |
| Merlin             | -            | -          | 1          | 100      |

*Northern Harrier* According to the Corps of Engineers Wildlife Mitigation Plan of 1980, this species is endangered in Iowa. We have identified both sexes in two very different habitats. The more typical environment is the marshy lowlands, but we also observed, on several occasions, a pair in the upland farming area southwest of Peru. The Northern Harrier was seen on the floodplain and in the uplands, in a ratio of 2:1 in favor of the former.

The bounded count estimate of 16 (Table 3), although within the confidence interval of 9-133 (Table 3), seems high for two reasons. There is a limited amount of lowland habitat which is

Table 3  
Population Estimates  
Square Mile  
Extrapolation

|                    |          | Bounded Count       |
|--------------------|----------|---------------------|
|                    | Estimate | Confidence Interval |
| Red-tailed Hawk    | 32       | 55                  |
| American Kestrel   | 13       | 36                  |
| Swainson's Hawk    | 3        | 18                  |
| Northern Harrier   | 3        | 16                  |
| Rough-legged Hawk  | 2        | 11                  |
| Sharp-shinned Hawk | 2        | 3                   |
| Cooper's Hawk      | 1        | 2                   |
| Broad-winged Hawk  | 1        | 1                   |
| Ferruginous Hawk   | 1        | 1                   |
| Merlin             | 1        | 1                   |
| Total              | 59       | 144                 |

frequented by this species, and our sightings were consistently in the same geographic areas, indicating that we were probably sighting the same bird(s).

*Rough-legged Hawk*: Rough-legged Hawks were seen twenty-two times comprising 3.2% of the total. These hawks are strictly winter visitors with sightings as early as October and as late as April. Their winter numbers are estimated at 11 (Table 3).

*Sharp-shinned Hawk*: The Corps of Engineers (1980) also report that the Sharp-shinned Hawk is considered to be extirpated in Iowa. Substantial habitat exists for this species in the upland where all of the winter sightings occurred. The bounded count estimate of three (Table 3) is probably too low because of the dense forest habits of this raptor.

*Cooper's Hawk*: Two sightings of this species occurred during the survey period, both on the edge of the deep forest environment. Our study area does have sufficient forest for this species to maintain a small winter population.

*Broad-winged Hawk*: Another rarely sighted raptor in the area for which there is suitable habitat is the Broad-winged Hawk. According to Johnsgard (1979), this hawk has nested in the Missouri Valley of eastern Nebraska. The study area does have deep forest in association with water which is the preferred habitat of this species. Our data indicates a small winter population.

*Merlin and Ferruginous Hawks*: These two species are occasional visitors to this area but are more typically found in other environments. Both of the sightings were during the migratory periods (Merlin: 28 October 1980 and Ferruginous: 8 March 1981).

#### Acknowledgements

We would like to thank Peru State College for the funding of this project. We also extend our appreciation to Jim McKim, Ron Kohel and Jeff Wignall for their field work on this project.

—Steve Shupe and Robert Collins  
Biology Department, Peru State College  
Peru, Nebraska 68421

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## NOTES

**CATTLE VS. WATERFOWL.** After three years of comparatively dry weather that kept our rainwater basins dry most of the time, in 1982 we had lots of rain and lots of water in our basins. The rains started the latter part of April and the waterfowl and shorebirds came in great numbers. Although the waterlevels raised with each rain, the vegetation grew fast enough to keep most of the water covered. This is where the nesting population of Coots, Pied-billed Grebes, etc., hide their nests, and it is hard to guess how many birds are nesting or where the nests are located.

One of these large basins lies between two of our farms, and I usually drive by it twice a day or so. It is divided into two parts that are fenced and both are used for pasture. Most of the water area is located on a neighbor's land. As usual, several cows and calves were placed in each pasture around 1 May. This is the procedure, and it works well in a normal year, but this was not

a normal year, and as more and more rain fell it created a very unusual set of circumstances. The water level kept rising until in June the neighbor's pasture was all underwater except one small corner that was slightly higher ground, and this was where the cattle spent most of their time, except when foraging out into the water. By this time the water had covered most of the vegetation that hadn't already been grazed off. Daily I watched as the water level kept rising and the vegetation got thinner and thinner and it was easier to see the birds on their nests. Also, by this time the cattle were very hungry and were foraging in water more than belly deep, with their calves swimming to follow, even though supplemental feed was being provided for them.

Finally there was practically no vegetation to hide the Coot and Pied-billed Grebe nests. The birds still stayed on their nests and tried to defend them from the cattle that were all around them. Each day it seemed that there were fewer nests, and one morning, while I was watching, I saw a bull actually eating a Coot nest while two Coots were attacking it with flailing wings, but to no avail. It continued eating as if the birds weren't even there. Of course, these nests are made of reeds and basin weeds and the cattle were very hungry. The nests continued to disappear until all were gone. The water kept rising, and the cattle kept almost every spear of vegetation eaten, except for the roadside ditches and the pasture I use, which were protected by fences. These areas no doubt produced successful nests, as many birds were observed all summer in these areas.

When the water was at its peak in June it covered the roadway that I used, and it was like being in a boat when I crossed it daily. We had an unusually large number of Sora spend the summer this year, and they would forage in the shallow water on the roadway. Several times I almost had to stop to avoid running over them. I'm sure they were nesting in the roadside ditches. By July this area really looked like a shallow lake, since most all of the vegetation was gone. This attracted several different species of birds which don't normally frequent our basins. In the latter part of July about 30 American White Pelicans arrived, and for the next six weeks we had Pelicans numbering sometimes more than 200. I have no idea how so many could find enough food for such a long stay. Also several Double-crested Cormorants have been staying in this basin lately, and seven White-faced Ibis and seven Cattle Egrets were here for some time in September. In the same month a female Ruddy Duck and six newly-hatched young were seen daily, swimming away from the roadside ditches as I crossed. It was a very late hatch, probably caused by earlier nesting failure, and no doubt caused by the cattle.

Two Greater White-fronted Geese showed up in late August and stayed several weeks. Lots of gulls, terns and shorebirds were here in September. Now in October lots of Dowitchers are here. Although it was sad to see a basin denuded and nests destroyed, it did provide a rare opportunity to observe different species than normally frequent our rainwater basin areas.

—Lee Morris, Rt. 1, Box 14, Benedict, Nebraska 68316

**CATTLE EGRETS.** On 17 September 1982, about 6:30 P.M., I saw a flock of 16 Cattle Egrets half a mile north of Humphrey, in a pasture adjacent to highway 91. They were feeding and resting in a wet-meadow/pasture beside a small stream, sharing the area with a small herd of cows.

—Wayne J. Mollhoff, 736 S. Third, Albion, Nebraska 68620

**RAINWATER BASIN NOTE.** I have had a White-faced Ibis on my basin for the last several days now (written 28 May 1982). Earlier this spring I had six Cattle Egrets just south of my house, with my cattle. They even came into my front yard but stayed only one day. The four Snow Geese that stayed so late in a basin near here and finally left are back. I thought they had finally gone north, but I saw them again on 26 May, near here. I have never seen Snow Geese stay this late before. We have lots of Sora and American Bitterns in our basins. Also lots of Red-winged and Yellow-headed Blackbirds nesting, since we have so much water.

—Lee Morris, Rt. 1, Box 14, Benedict, Nebraska 68316

**ASSORTED HAWKS.** On 27 March 1981, on the floodplain 2 miles northwest of Peru, Nebraska, eight hawks were seen flying in a circle of less than .5 mile in diameter: 4 Swainson's, 2 Red-tailed, 1 Rough-legged, and 1 Northern Harrier. This unusual combination of birds flew around each other for an additional 15 minutes after the initial sighting, and then dispersed. There was agricultural activity in the vicinity which may have stirred up prey species, but no kills were made while we were watching.

—Steve Shupe, Box 151, Peru State College, Peru, Nebraska 68421

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## TABLE OF CONTENTS

|                                            |    |
|--------------------------------------------|----|
| Treasurer's Report                         | 2  |
| 1982 (Twenty-third) Fall Occurrence Report | 3  |
| 1982 Christmas Count                       | 14 |
| Two Additions to the Nebraska List         | 18 |
| A Winter Roadside Survey of Hawks etc.     | 19 |
| Notes                                      | 22 |

**SOCIAL RED-TAILED HAWKS.** On several occasions during the last two winters (1980-1982), groups of Red-tailed Hawks were seen flying together near Peru, Nebraska. Groups of seven, five, and four have been observed over the loess bluffs deciduous forest. Each of the gatherings dispersed within one mile of the point of sighting, with no unusual behavior noted. No explanation of this activity is known. However, Orians and Kuhlman (Red-tailed Hawk and Great Horned Owl Population in Wisconsin, *The Condor* 58:371-385. 1956.) suggested group hunting.

—Steve Shupe, Box 151, Peru State College, Peru, Nebraska 68421

**GRAY PARTRIDGES.** On 17 May 1982, while I was driving northwest of Benedict, York Co., on a gravel road near my home, two birds flushed directly in front of my pickup. I immediately noticed the short, rusty-colored tail and rusty face pattern. Also they were larger than Bobwhites and smaller than Pheasants. They flew a short distance, one landing in tall cover but the other was in plain sight. These were the first Gray Partridges I have seen in this area.

—Lee Morris, R 1, Box 14, Benedict, Nebraska 68316

**WOODCOCK.** At 8 PM, Saturday, 17 April 1982, I heard two singing male Woodcock performing their courtship flight in the nine acre wildlife management area immediately southeast of Spencer Dam, on the Niobrara in northern Holt Co. The noise caused by the water releases from the dam made it impossible to determine the exact number of Woodcock using the area. I could positively identify only two singing birds.

—Mark Wilson, 1830 W. 11th Avenue, Grand Island, Nebraska 68801

**DOWNY WOODPECKER.** In late October 1982 a Downy Woodpecker spent considerable time one day at my sunflower-seed feeder, eating the seeds. This is the only time that I know of that a Downy hasn't used the suet feeder, but Bent gives estimates as high as 24% for vegetable matter in the Downy's diet.

—Alice Rushton, 5617 Parker, Omaha, Nebraska 68104

6-1983

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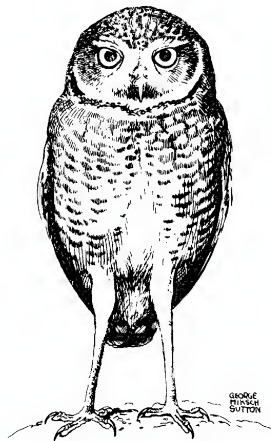
# The Nebraska Bird Review

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## TABLE OF CONTENTS ON BACK COVER

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All manuscripts for publication, and all changes in address, should be sent to the Editor, R.G. Cortelyou, 5109 Underwood Avenue, Omaha Nebraska 68132.

Other officers are: President, Mrs. Ruth C. Green, 506 W. 31st Avenue, Bellevue, Nebraska 68005; Vice President, Gary Lingle, 2550 N. Diers Avenue, Suite H, Grand Island, Nebraska 68801; and Secretary, Mrs. C.E. Johnson, 604 S. 22nd St., Apt. 406, Omaha, Nebraska 68102.

## THE EIGHTY-SECOND ANNUAL MEETING

The official registration for the eighty-second Annual Meeting, held in Lincoln 20-22 May 1983, was 55. There was the usual slide show and get-together on Friday night, field trips Saturday morning (with demonstrations of bird banding), Saturday afternoon after the meeting, and Sunday morning. The practice of having talks was revived: Mark A. Brogie, Wayne, gave an illustrated talk on "Distribution of Birds of the Niobrara" and James Ducey, Omaha, did the same for "Breeding Status of the Interior Least Tern in Nebraska" before the business meeting. All officers were re-elected: Mrs. Ruth C. Green, Bellevue, President; Gary Lingle, Grand Island, Vice-president; Mrs. Emma Johnson, Omaha, Secretary; Mrs. Lona Shafer, Wood River, Treasurer; Dr. Neva Pruess, Lincoln, Librarian; and Dr. R.G. Cortelyou, Omaha, Editor. It was also decided that the existing scale of dues should be carried forward for another year, with the help of the increased number of members. The 4-H camp at Halsey was selected for the Fall Field Day. At the banquet Gary Lingle, Grand Island, talked on "The Platte — Nebraska's River of Life", with slides and movie. The invitation of Doris Gates to hold the 1984 Annual Meeting in Chadron was accepted with pleasure.

The field trips covered Wilderness Park, Hickman lakes, Oak Lakes and Salt Creek, Pioneers Park and Chet Ager Nature Center, Epworth Park, Nine Mile Prairie, and Branched Oak Lake in Lancaster Co., Grandpa's Woods, north of Elmwood in Cass Co., and the Gilbert Farm, near Cedar Bluffs, Saunders Co. There were 103 species and a possible other reported from Lancaster Co., 6 (marked S) were reported only from Saunders Co., and 2 (marked C) were reported only from Cass Co; Pied-billed Grebe, Double-crested Cormorant; Least Bittern; Little Blue and Green-backed Herons; Canada Goose, Wood Duck, Mallard, Blue-winged Teal, Northern Shoveler, Gadwall, Ruddy Duck, Turkey Vulture(S), Northern Harrier; Swainson's and Red-tailed Hawks; American Kestrel, Ring-necked Pheasant, Northern Bobwhite, Sora, American Coot, Killdeer, Lesser Yellowlegs, Willet; Spotted and Upland Sandpipers, Marbled Godwit; Semipalmated(S) and Baird's(S) Sandpipers; Dunlin(S); a bird too far away for positive identification whose actions and size indicated Dowitcher sp., Black Tern; Rock and Mourning Doves; Great Horned and Barred Owls; Common Nighthawk, Chimney Swift, Belted Kingfisher; Red-headed, Red-bellied, Downy, and Hairy(S) Woodpeckers; Northern Flicker, Olive-sided Flycatcher, Eastern Wood-Pewee, Arcadian, Willow, Least and Great Crested Flycatchers; Western and Eastern Kingbirds; Purple Martin; Tree, Northern Rough-winged, Bank, Cliff, and Barn Swallows; Blue Jay, American Crow, Black-capped Chickadee, White-breasted Nuthatch, House Wren; Gray-cheeked, Swainson's, and Wood Thrushes; American Robin, Gray Catbird, Brown Thrasher, Loggerhead Shrike, European Starling; Solitary(C), Warbling, and Red-eyed Vireos; Tennessee, Orange-crowned, Nashville, Yellow, Magnolia(C), Yellow-rumped, Blackburnian, Bay-breasted(S), Blackpoll, and Black-and-white Warblers; American Redstart, Ovenbird, Northern Waterthrush, Mourning Warbler, Common Yellowthroat, Wilson's Warbler, Northern Cardinal, Rose-breasted Grosbeak, Indigo Bunting, Dickcissel, Rufous-sided Towhee; Chipping, Clay-colored, Field, Grasshopper, Song, and Harris' Sparrows; Red-winged Blackbird; Eastern and Western Meadowlarks; Yellow-headed Blackbird; Great-tailed and Common Grackles; Brown-headed Cowbird; Orchard and Northern Orioles; American Goldfinch, and House Sparrow.

## 1982 NEBRASKA NESTING SURVEY

Compiled by Dr. Esther V. Bennett

Data on the 1982 nesting season in Nebraska were received from 24 observers, reporting on 106 species from 40 counties. Counties in the tabulation are listed in a west to east order, with the northernmost of approximately equal locations given first. Numbers represent Nest Record Cards; C represents Cowbird eggs found in other nests; E represents eggs observed; F represents carrying food; M represents carrying nesting material; N represents nests observed for which no Nest Record Card was submitted; and Y represents young observed.

Fifty-three species were reported on 335 North American Nest Record Cards; in addition, out-of-state nests were reported on three cards. The counties, with column numbers on the tabulation shown in parentheses, and the contributors were: Banner (3) J.J. Dinan, G.A. Wingfield; Box Butte (5) J.J. Dinan, G.A. Wingfield; Boyd (23) G.A. Wingfield; Brown (18) Mark

A. Brogie, Michael J. Mossman; Buffalo (25) D.E. Carlson; Cass (38) J.J. Dinan, J.E. Ducey; Cedar (31) D.E. Carlson, J.J. Dinan; Chase (11) Iola Pennington; Cherry (8) Mark A. Brogie, Len McDaniel, Michael J. Mossman, G.A. Wingfield; Custer (19) J.E. Ducey, G.A. Wingfield; Dawes (4) D.E. Carlson, J.J. Dinan, G.A. Wingfield; Dawson (20) G.A. Wingfield; Dixon (32) D.E. Carlson, J.J. Dinan; Dodge (33) J.J. Dinan, J.E. Ducey; Douglas (36) T.E. Bray, R.G. Cortelyou, J.J. Dinan, J.E. Ducey, Ruth Green, G.E. Johnson, B.L. Wilson; Franklin (26) G.A. Wingfield; Frontier (15) G.A. Wingfield; Furnas (22) G.A. Wingfield; Garden (7) J.J. Dinan, G.A. Wingfield; Gosper (21) G.A. Wingfield; Hall (27) Gary Lingle, Bill Schleicher; Holt (24) D.E. Carlson, G.A. Wingfield; Johnson (39) J.E. Ducey; Keith (9) G.A. Wingfield; Keya Paha (17) Mark A. Brogie, Michael J. Mossman, G.A. Wingfield; Knox (28) D.E. Carlson, J.J. Dinan; Lancaster (35) J.E. Ducey, Norma Johnson, Rosalind Morris; Lincoln (13) G.A. Wingfield; McPherson (12) Oona Bassett; Merrick (29) D.E. Carlson; Morrill (6) J.J. Dinan, R. Grier; Nemaha (40) L.J. Padelford; Perkins (10) G.A. Wingfield; Red Willow (16) G.A. Wingfield; Sarpy (37) P.A. Bedell, R.G. Cortelyou, J.E. Ducey, Ruth Green, B.K. Padelford, L.J. Padelford; Saunders (34) J.J. Dinan, J.E. Ducey; Scotts Bluff (2) A.M. Kenitz, G.A. Wingfield; Sioux (1) T.E. Bray, D.E. Carlson, J.J. Dinan, L.J. Padelford, G.A. Wingfield; Thomas (14) D.E. Carlson; York (30) Lee Morris.

The names of Mark A. Brogie and Michael Mossman are representative of the following individuals who also contributed nest and sight records in the Niobrara Preserve (Cherry, Keya Paha, and Brown counties): Ed Brogie, Ben Brown, Steven Churchill, Mary Clausen, Roger Dunn, Sue Earnst, Franklin Egelhoff, Fred Egelhoff, Martha Egelhoff, Richard Egelhoff, Craig Freeman, Chad Hagen, Kelli Hahn, Gail Kantak, Russell Kiefer, David Kizirian, Becky Kuhre, Beryl Kuhre, Loring Kuhre, Michael O'Leary, Debbie Paulson, Marycarol Tuman, and Gordon Warrick.

Persons contributing over 15 Nest Cards were: D.E. Carlson (16), J.J. Dinan (45), J.E. Ducey (108), C.E. Johnson (23), A.M. Kenitz (27), and G.A. Wingfield (67).

The following 48 Nebraska species which were reported in 1982 were not reported in the 1981 Nesting Survey (*NBR* 50:38): Pied-billed Grebe, Eared Grebe, Western Grebe, Double-crested Cormorant, Great Blue Heron, Cattle Egret, Green-backed Heron, Black-crowned Night Heron, Blue-winged Teal, Gadwall, Ruddy Duck, Turkey Vulture, American Kestrel, Greater Prairie-Chicken, Sharp-tailed Grouse, Wild Turkey, American Coot, Spotted Sandpiper, Upland Sandpiper, Long-billed Curlew, Black Tern, Rock Dove, Black-billed Cuckoo, Burrowing Owl, Common Nighthawk, Common Poorwill, Chimney Swift, Red bellied Woodpecker, Hairy Woodpecker, Eastern Wood Pewee, Great Crested Flycatcher, Cliff Swallow, Red-breasted Nuthatch, Brown Creeper, Rock Wren, Marsh Wren, Blue gray Gnatcatcher, Bell's Vireo, Red-eyed Vireo, Louisiana Waterthrush, Common Yellowthroat, Scarlet Tanager, Black-headed Grosbeak, Rufous-sided Towhee, Indigo Bunting, Lark Bunting, Bobolink, and American Goldfinch.

Five species reported in the 1981 survey were not reported in 1982: Sora, Bank Swallow, Eastern Meadowlark, House Finch, and Song Sparrow.

Len McDaniel, Valentine Migratory Waterfowl Refuge, reported that approximately 300 Eared Grebe nests were destroyed in Marsh Lakes by Ring-billed Gulls, with later nesting unknown. He also reported locating 141 duck nests on an island, but did not identify species (personal communication to R.G. Cortelyou).

Great Blue Heron cards represent 481 nests; Piping Plover cards 60 nests; and Least Tern cards 131 nests.

Anyone who sees evidence of nesting, young, or adult birds carrying nesting material, food, or fecal sacs can submit the information without the use of a special form, although it will be appreciated if the information is in such form that it can be easily separated by species and county. This information will be included in the Nebraska Nesting Survey by letters rather than numbers.

Anyone who has found, or expects to find, an active nest is invited to write for North American Nest Record Cards to use in reporting the nest. Each nest requires a separate card, except for colonial nesting species, which require a separate card for each visit to the site.

Cards, instruction sheets, and Laboratory of Ornithology Nest Survey newsletters may be obtained from Dr. Esther V. Bennett, 1641 Devoe Drive, Lincoln, Nebraska 68506.

— Assistant Superintendent Outdoor Education/Recreation,  
Parks and Recreation Department, Lincoln, Nebraska

|                    | 1     | 2            | 3      | 4     | 5         | 6       | 7      | 8      | 9             | 10    | 11        | 12      | 13     | 14       | 15         | 16        | 17    | 18     | 19     | 20     | 21     | 22   | 23   | 24      | 25       | 26   | 27   | 28      | 29   | 30    | 31    | 32    | 33       | 34        | 35      | 36    | 37   | 38      | 39     | 40 | Total Cards |    |    |   |
|--------------------|-------|--------------|--------|-------|-----------|---------|--------|--------|---------------|-------|-----------|---------|--------|----------|------------|-----------|-------|--------|--------|--------|--------|------|------|---------|----------|------|------|---------|------|-------|-------|-------|----------|-----------|---------|-------|------|---------|--------|----|-------------|----|----|---|
|                    | Sioux | Scotts Bluff | Banner | Davis | Box Butte | Morrill | Garden | Cherry | Keith Perkins | Chase | McPherson | Lincoln | Thomas | Frontier | Red Willow | Keya Paha | Brown | Custer | Dawson | Gosper | Furnas | Boyd | Holt | Buffalo | Franklin | Hall | Knox | Merrick | York | Cedar | Dixon | Dodge | Saunders | Lancaster | Douglas | Sarpy | Cass | Johnson | Nemaha |    |             |    |    |   |
| Pied-billed Grebe  | -     | -            | -      | -     | -         | -       | -      | 1      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | N    | -     | -     | -     | -        | -         | Y       | -     | -    | -       | -      | -  | 1           |    |    |   |
| Eared Grebe        | -     | -            | -      | -     | -         | -       | -      | N      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  |    |   |
| Western Grebe      | -     | -            | -      | -     | -         | -       | -      | N      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  |    |   |
| Dble-cr. Cormorant | -     | -            | -      | -     | -         | -       | -      | N      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  |    |   |
| Great Blue Heron   | 1     | -            | -      | -     | -         | -       | -      | 1      | -             | -     | -         | -       | 1      | 1        | -          | N         | -     | -      | 1      | -      | -      | -    | 2    | -       | -        | -    | 1    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | 8  |   |
| Cattle Egret       | -     | -            | -      | -     | -         | -       | -      | N      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  |    |   |
| Green-backed Heron | -     | -            | -      | -     | -         | -       | -      | -      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | 1         | -       | -     | -    | -       | -      | -  | 1           |    |    |   |
| Bl-cr. Night-Heron | -     | -            | -      | -     | -         | -       | -      | N      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  |    |   |
| Wood Duck          | -     | Y            | -      | -     | -         | -       | -      | -      | -             | Y     | -         | -       | -      | -        | -          | -         | Y     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | Y       | Y     | -    | -       | -      | -  | -           | -  |    |   |
| Mallard            | -     | -            | -      | -     | -         | -       | -      | -      | -             | -     | -         | -       | -      | -        | -          | -         | -     | Y      | -      | -      | -      | -    | -    | -       | -        | -    | N    | -       | -    | -     | -     | -     | -        | -         | -       | Y     | -    | -       | -      | -  | -           | -  |    |   |
| Blue-winged Teal   | -     | -            | -      | -     | -         | -       | -      | -      | -             | Y     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | N    | -       | -    | -     | -     | -     | -        | -         | 1       | Y     | -    | -       | -      | -  | -           | 1  |    |   |
| Gadwall            | -     | -            | -      | -     | -         | -       | -      | -      | -             | Y     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | -  |   |
| Ruddy Duck         | -     | -            | -      | -     | -         | -       | -      | -      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | Y    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | -  |   |
| Turkey Vulture     | -     | -            | -      | -     | -         | -       | -      | N, Y   | -             | -     | -         | -       | -      | -        | -          | N, Y      | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | -  | - |
| Sharp-shinned Hawk | -     | -            | -      | -     | -         | -       | -      | -      | -             | -     | -         | -       | -      | -        | -          | -         | -     | N, E   | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | -  |   |
| Swainson's Hawk    | -     | -            | -      | -     | -         | -       | -      | -      | -             | -     | -         | N, Y    | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | -  |   |
| Red-tailed Hawk    | -     | 2            | -      | -     | -         | -       | -      | -      | -             | -     | -         | -       | -      | -        | -          | N, Y      | N, Y  | -      | -      | -      | -      | -    | -    | -       | -        | -    | N    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | 3       | -      | -  | -           | 5  |    |   |
| Ferruginous Hawk   | 3     | -            | -      | 2     | 5         | -       | -      | -      | -             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | 10 |   |
| Golden Eagle       | 6     | -            | 4      | 3     | -         | 3       | 2      | -      | 1             | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | 19 |    |   |
| American Kestrel   | -     | -            | -      | -     | -         | -       | -      | -      | -             | Y     | -         | -       | -      | -        | -          | N         | N     | N      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -  | -           | -  | -  | - |

|                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8   | 9 | 11 | 12 | 13   | 14 | 15 | 16 | 17  | 18  | 19 | 21 | 23 | 25 | 27 | 28 | 30 | 32 | 33 | 35 | 36 | 37 | 39 | 40  |    |
|----------------------|---|---|---|---|---|---|---|-----|---|----|----|------|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|
| Prairie Falcon       | 8 | Y | 1 | 2 | - | 1 | - | -   | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 12  |    |
| Ring-necked Pheasant | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | Y   | -   | -  | -  | -  | -  | -  | N  | -  | -  | -  | -  | -  | 1  | -  | 1   | 2  |
| Gr. Prairie-Chicken  | - | - | - | - | - | - | - | Y   | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Sharp-tailed Grouse  | - | - | - | - | - | - | - | Y   | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Wild Turkey          | - | - | - | - | - | - | - | N   | - | -  | -  | -    | -  | -  | -  | N   | N   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Northern Bobwhite    | - | - | - | - | - | - | - | N   | - | -  | -  | -    | -  | -  | -  | N   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 1  | -  | -  | 1   |    |
| American Coot        | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | N  | -  | -  | -  | N  | -  | -  | -  | -   |    |
| Piping Plover        | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | -   | N   | -  | -  | 1  | 1  | -  | N  | -  | -  | 2  | 6  | -  | 2  | -  | 12  |    |
| Killdeer             | - | - | - | - | - | - | - | N,Y | - | -  | -  | -    | -  | -  | -  | N,Y | N,Y | -  | -  | -  | -  | -  | N  | -  | -  | 1  | -  | -  | -  | 1  | 2   |    |
| Spotted Sandpiper    | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | N,E | -   | -  | -  | -  | -  | -  | N  | -  | -  | 1  | -  | -  | -  | -  | 1   |    |
| Upland Sandpiper     | - | - | - | - | - | - | - | N,E | - | -  | -  | -    | -  | -  | -  | -   | N,E | -  | -  | -  | -  | -  | N  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Long-billed Curlew   | - | 1 | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | -   | N,E | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 1   |    |
| Least Tern           | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | 1   | N   | -  | -  | -  | 1  | 3  | -  | 1  | 2  | -  | 7  | 16 | 3  | 3  | -   | 43 |
| Black Tern           | - | - | - | - | - | - | - | F,Y | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Rock Dove            | - | - | - | - | - | - | - | N   | - | -  | -  | -    | -  | -  | -  | N   | N   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Mourning Dove        | - | 7 | - | - | - | - | - | N   | - | -  | -  | -    | -  | -  | -  | N   | N   | -  | -  | -  | -  | N  | -  | -  | -  | -  | -  | 1  | 4  | 1  | -10 | 23 |
| Black-billed Cuckoo  | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | -   | N   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Yellow-billed Cuckoo | - | - | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | N  | -  | -  | -  | -  | -  | -  | -  | 1  | 1   |    |
| Common Barn-Owl      | - | 4 | - | - | - | 6 | - | 5   | 4 | -  | -  | 19,N | -  | 3  | 4  | -   | -   | 1  | 1  | 1  | 1  | -  | 1  | -  | -  | -  | -  | -  | -  | -  | 50  |    |
| Eastern Screech-Owl  | - | - | - | - | - | - | - | Y   | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Great Horned Owl     | - | 1 | - | Y | - | - | - | N,Y | - | -  | -  | -    | -  | -  | -  | N,Y | -   | -  | -  | -  | -  | -  | N  | -  | -  | -  | -  | 1  | -  | 2  | 4   |    |
| Burrowing Owl        | - | Y | - | - | - | - | - | -   | - | -  | -  | -    | -  | -  | -  | -   | Y   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Long-eared Owl       | - | - | - | - | - | - | - | N,E | - | -  | -  | -    | -  | -  | -  | -   | -   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |
| Common Nighthawk     | - | - | - | - | - | - | - | N,E | - | -  | -  | -    | -  | -  | -  | N,E | N,E | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   |    |

|                      | 1     | 2            | 3      | 4     | 5         | 6       | 7      | 8       | 9    | 10      | 11    | 12        | 13      | 14     | 15       | 16         | 17        | 18      | 19     | 20     | 21     | 22     | 23   | 24   | 25      | 26       | 27   | 28   | 29      | 30   | 31    | 32    | 33    | 34       | 35        | 36      | 37    | 38   | 39      | 40     | Total Cards |    |   |   |
|----------------------|-------|--------------|--------|-------|-----------|---------|--------|---------|------|---------|-------|-----------|---------|--------|----------|------------|-----------|---------|--------|--------|--------|--------|------|------|---------|----------|------|------|---------|------|-------|-------|-------|----------|-----------|---------|-------|------|---------|--------|-------------|----|---|---|
|                      | Sioux | Scotts Bluff | Banner | Daves | Box Butte | Morrill | Garden | Cherry  | Kath | Perkins | Chase | McPherson | Lincoln | Thomas | Frontier | Red Willow | Keya Paha | Brown   | Custer | Dawson | Gasper | Furnas | Boyd | Holt | Buffalo | Franklin | Hall | Knox | Merrick | York | Cedar | Dixon | Dodge | Saunders | Lancaster | Douglas | Sarpy | Cass | Johnson | Nemaha |             |    |   |   |
| Common Poorwill      | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  |   |   |
| Chimney Swift        | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, E    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | N, Y     | -         | -       | -     | -    | 1       | -      | -           | 1  |   |   |
| Belted Kingfisher    | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | N         | N       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  |   |   |
| Red-head. Woodpecker | -     | -            | -      | -     | -         | -       | -      | N, Y    | -    | -       | -     | -         | -       | -      | -        | -          | N, Y      | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | 1       | Y     | -    | 1       | -      | -           | 2  |   |   |
| Red-bell. Woodpecker | -     | -            | -      | -     | -         | -       | -      | N       | -    | -       | -     | -         | -       | -      | -        | -          | -         | -       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | F     | -    | 1       | -      | -           | 1  |   |   |
| Downy Woodpecker     | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | F    | -       | 2      | -           | 2  |   |   |
| Hairy Woodpecker     | -     | -            | -      | -     | -         | -       | -      | N, Y    | -    | -       | -     | -         | -       | -      | -        | -          | N, Y      | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| Northern Flicker     | -     | 1            | -      | -     | -         | -       | -      | N, Y    | -    | -       | -     | -         | -       | -      | -        | -          | N, Y      | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | 1, Y    | -     | -    | -       | -      | -           | 2  |   |   |
| Eastern Wood-Pewee   | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | M         | -       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | N        | -         | -       | -     | -    | -       | -      | -           | -  |   |   |
| Eastern Phoebe       | -     | -            | -      | -     | -         | -       | -      | N, E    | -    | -       | -     | -         | -       | -      | -        | -          | N, E      | N, E    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| Great Cr. Flycatcher | -     | -            | -      | -     | -         | -       | -      | N       | -    | -       | -     | -         | -       | -      | -        | -          | N         | N       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| Western Kingbird     | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| Eastern Kingbird     | -     | 1            | -      | -     | -         | -       | -      | 1, N    | -    | -       | -     | -         | -       | -      | -        | -          | N         | N       | -      | -      | -      | -      | -    | -    | -       | -        | -    | N    | -       | -    | -     | -     | -     | -        | 1         | 1       | -     | -    | 6       | -      | -           | 10 |   |   |
| Horned Lark          | -     | -            | -      | -     | -         | -       | -      | N, E, C | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, E, C | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| Purple Martin        | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | Y     | -         | -       | -      | -        | -          | -         | -       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| No. Rough-winged Sw. | -     | -            | -      | -     | -         | -       | -      | N, Y    | -    | -       | -     | -         | -       | -      | -        | -          | N, Y      | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | Y       | -     | -    | -       | -      | -           | -  |   |   |
| Cliff Swallow        | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | N         | -       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - |   |
| Barn Swallow         | -     | 1            | -      | -     | -         | -       | -      | N, E, Y | -    | -       | -     | -         | -       | -      | -        | -          | N, E, Y   | N, E, Y | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | Y       | 1     | -    | 29      | -      | -           | 31 |   |   |
| Blue Jay             | -     | -            | -      | -     | -         | -       | -      | N, E, Y | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, E, Y | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | 4       | -     | -    | -       | 1      | -           | 5  |   |   |
| Black-billed Magpie  | 1     | 1            | -      | -     | -         | -       | -      | N, Y    | -    | -       | -     | -         | -       | -      | -        | -          | -         | N, Y    | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | - | 2 |
| American Crow        | -     | -            | -      | -     | -         | -       | -      | -       | -    | -       | -     | -         | -       | -      | -        | -          | -         | -       | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | 1         | -       | -     | -    | -       | -      | -           | -  |   |   |

|                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8     | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17    | 18    | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34  | 35 | 36 | 37 | 38 | 39 | 40 |
|----------------------|---|---|---|---|---|---|---|-------|---|----|----|----|----|----|----|----|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|
| Black-cap. Chickadee | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | N,Y   | N,Y   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  | -  |
| Red-breast. Nuthatch | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | N,Y   | N,Y   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  | -  |
| White-br. Nuthatch   | - | - | - | - | - | - | - | N,Y,F | - | -  | -  | -  | -  | -  | -  | -  | N,Y   | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  | -  |
| Brown Creeper        | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N,Y   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | 1  | -  | -  | -  | 1  |    |
| Rock Wren            | - | 1 | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | 1  |    |
| House Wren           | - | - | - | - | - | - | - | N     | - | -  | -  | N  | -  | -  | -  | -  | N     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | 2  | -  | -  | 2  | -  | 4  |
| Marsh Wren           | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N,E   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 1  | -   | -  | -  | -  | -  | 1  |    |
| Bl.-gr. Gnatcatcher  | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | N   | -  | -  | -  | -  | -  |    |
| Eastern Bluebird     | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | 2  | -  | 2  |    |
| Wood Thrush          | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | N   | -  | -  | -  | -  | -  |    |
| American Robin       | - | 6 | - | - | - | - | - | N,E,Y | - | -  | -  | -  | -  | -  | -  | -  | N,E,Y | N,E,Y | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 4,Y | -  | -  | -  | -  | 10 |    |
| Gray Catbird         | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 2   | -  | -  | -  | -  | 2  |    |
| Brown Thrasher       | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | N     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | N  | -  | -  | -  | -  | -  | 3   | -  | -  | 5  | -  | 8  |    |
| Loggerhead Shrike    | - | - | - | - | - | - | - | N,E,Y | - | -  | -  | -  | -  | -  | -  | -  | -     | N,E,Y | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | 3  | -  | 1  | -  | 1  |
| European Starling    | - | 1 | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | N     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 1,N | -  | -  | -  | -  | 2  |    |
| Bell's Vireo         | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N,E   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  |    |
| Warbling Vireo       | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  |    |
| Red-eyed Vireo       | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | N     | Y,F   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | 1  | -  | -  | -  | 1  |    |
| La. Waterthrush      | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | 1  | -  | -  | -  | 1  |    |
| Common Yellowthroat  | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N,Y   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | F  | -  | -  | -  | -  |    |
| Scarlet Tanager      | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | N,Y   | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  |    |
| Northern Cardinal    | - | 1 | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | 1   | -  | -  | 2  | -  | 3  |    |
| Bl.-headed Grosbeak  | - | - | - | - | - | - | - | N     | - | -  | -  | -  | -  | -  | -  | -  | N     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  | -  |
| Indigo Bunting       | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | N     | N     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -   | -  | -  | -  | -  | -  | -  |
| Dickcissel           | - | - | - | - | - | - | - | -     | - | -  | -  | -  | -  | -  | -  | -  | -     | -     | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | Y   | -  | -  | -  | -  | -  |    |

|                      | 1     | 2            | 3      | 4     | 5         | 6       | 7      | 8            | 9     | 10      | 11    | 12        | 13      | 14     | 15       | 16         | 17        | 18    | 19     | 20     | 21     | 22     | 23   | 24   | 25      | 26       | 27   | 28   | 29      | 30   | 31    | 32    | 33    | 34       | 35        | 36      | 37    | 38   | 39      | 40     | Total Cards |    |    |   |
|----------------------|-------|--------------|--------|-------|-----------|---------|--------|--------------|-------|---------|-------|-----------|---------|--------|----------|------------|-----------|-------|--------|--------|--------|--------|------|------|---------|----------|------|------|---------|------|-------|-------|-------|----------|-----------|---------|-------|------|---------|--------|-------------|----|----|---|
|                      | Sioux | Scotts Bluff | Banner | Jawes | Box Butte | Morrill | Garden | Cherry       | Kelth | Perkins | Chase | McPherson | Lincoln | Thomas | Frontier | Red Willow | Keya Paha | Brown | Custer | Dawson | Gosper | Furnas | Boyd | Holt | Buffalo | Franklin | Hall | Knox | Merrick | York | Cedar | Dixon | Dodge | Saunders | Lancaster | Douglas | Sarpy | Cass | Johnson | Nemaha |             |    |    |   |
| Rufous-sided Towhee  | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | N,C        | N,C       | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | 1       | -     | -    | -       | -      | -           |    |    |   |
| Chipping Sparrow     | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | N          | N         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | 1       | -     | -    | -       | -      | 1           |    |    |   |
| Field Sparrow        | -     | -            | -      | -     | -         | -       | -      | N,C          | -     | -       | -     | -         | -       | -      | -        | N,C        | N,C       | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | 1       | -      | -           | 1  |    |   |
| Lark Sparrow         | -     | -            | -      | -     | -         | -       | -      | 1,N<br>E,Y,C | -     | -       | -     | -         | -       | -      | -        | N          | N         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | 1  |   |
| Lark Bunting         | -     | -            | -      | -     | -         | -       | -      | Y            | -     | -       | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  |    |   |
| Grasshopper Sparrow  | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | N,E       | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | N    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | 1       | -      | -           | 1  |    |   |
| Bobolink             | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | N    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  |    |   |
| Red-winged Blackbird | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | N,E,Y     | N,E,Y | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | N       | -    | N     | -     | -     | -        | 11        | N       | -     | -    | 8       | -      | -           | 19 |    |   |
| Western Meadowlark   | -     | 1            | -      | -     | -         | -       | -      | N            | -     | -       | -     | -         | -       | -      | -        | -          | N         | N     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | 1  |   |
| Yellow-h. Blackbird  | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | 11        | -       | -     | -    | -       | -      | -           | 11 |    |   |
| Great-tailed Grackle | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | -         | -     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | -  |   |
| Common Grackle       | -     | 2,F,Y        | -      | N     | -         | -       | -      | N,E,Y        | -     | -       | -     | -         | -       | -      | -        | -          | N,E,Y     | N,E,Y | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | 1       | -      | -           | 3  |    |   |
| Orchard Oriole       | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | -         | N,C   | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | 1       | -     | -    | 1       | -      | -           | 2  |    |   |
| Northern Oriole      | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | N         | N     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | -  |   |
| American Goldfinch   | -     | -            | -      | -     | -         | -       | -      | -            | -     | -       | -     | -         | -       | -      | -        | -          | -         | N     | N      | 1      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | -         | -       | -     | -    | -       | -      | -           | -  | -  | 1 |
| House Sparrow        | -     | -            | -      | -     | -         | -       | -      | N            | -     | -       | -     | -         | -       | -      | -        | -          | N         | N     | -      | -      | -      | -      | -    | -    | -       | -        | -    | -    | -       | -    | -     | -     | -     | -        | 3         | -       | -     | -    | -       | -      | -           | -  | 3  |   |
| Nest Cards           |       |              |        |       |           |         |        |              |       |         |       |           |         |        |          |            |           |       |        |        |        |        |      |      |         |          |      |      |         |      |       |       |       |          |           |         |       |      |         |        |             |    |    |   |
| Individuals          | 19    | 30           | 5      | 7     | 5         | 3       | 9      | 4            | 6     | 4       | -     | -         | 20      | 1      | 3        | 4          | 1         | -     | 2      | 2      | 1      | 1      | 1    | 4    | 3       | 1        | -    | 2    | 2       | -    | 10    | 23    | 3     | 5        | 30        | 32      | 6     | 3    | 82      | 1      | 335         |    |    |   |
| Species              | 5     | 14           | 2      | 3     | 1         | 1       | 3      | 4            | 2     | 1       | -     | -         | 2       | 1      | 1        | 1          | 1         | -     | 2      | 2      | 1      | 1      | 1    | 3    | 1       | 1        | -    | 2    | 1       | -    | 3     | 3     | 1     | 2        | 8         | 18      | 6     | 1    | 22      | 1      | 53          |    |    |   |
| No Nest Cards        | -     | 3            | -      | 2     | -         | -       | -      | 40           | -     | -       | 5     | 2         | -       | -      | -        | 44         | 60        | -     | -      | -      | -      | -      | -    | -    | -       | -        | 18   | -    | -       | 4    | -     | -     | -     | -        | 2         | 10      | 4     | -    | -       | -      | -           | -  | 53 |   |
| Total Species        | 5     | 17           | 2      | 5     | 1         | 1       | 3      | 44           | 2     | 1       | 5     | 2         | 2       | 1      | 1        | 1          | 45        | 60    | 2      | 2      | 1      | 1      | 1    | 3    | 1       | 1        | 18   | 2    | 1       | 4    | 3     | 3     | 1     | 2        | 10        | 28      | 10    | 1    | 22      | 1      | 106         |    |    |   |









1. At that time the Ainsworth-Springview road crossed the Niobrara on a bridge at Meadville, about 5 mi. upstream from the present US 183 bridge. The Bassett-Springview road crossed on a bridge at Carns. The "Springview Bridge" apparently was the one at Meadville. — Ed.







2. About 2.5 mi. south and 1 mi. west of the northeast corner of Brown County, near the present Pine Glen WMA. — Ed.





## **SPRING AND SUMMER BIRDS OF THE NIOBRARA VALLEY PRESERVE AREA, NEBRASKA: AN ANNOTATED CHECKLIST**

**Mark A. Brogie and Michael J. Mossman**

The Niobrara Valley Preserve occupies an area of approximately 22,000 ha in north-central Nebraska and includes parts of Brown, Cherry, and Keya Paha counties. This area was purchased in 1980 by the Nature Conservancy because of the unique co-occurrence of habitat types such as ponderosa pine (*Pinus ponderosa*) forest, eastern deciduous forest, northern forest (represented by white birch, *Betula papyrifera*), mixed grass prairie, sandhills prairie, and tallgrass prairie all existing within a proximity of 1.5-3 km.

This confluence of habitat types, in conjunction with the area's central geographic setting, creates a significant zone of sympatry among eastern, western, northern, and southern bird species. Limited research on species' occurrence and hybridization has been conducted in the Niobrara Valley area (Johnsgard 1979; Short 1961, 1965a, 1965b, 1966; Sibley & Short 1964; Sibley and West 1959) although no detailed study of the region's avifauna has occurred.

The following list contains those species observed by Preserve personnel from 4 April to 15 August, 1982, with several pertinent records thereafter. The study area encompasses the 22,000 ha Preserve and an additional approximate 20,000 ha of adjacent land. The total area is bounded at the west by the eastern edge of the Fort Niobrara National Wildlife Refuge, 18 km east of Valentine, and extends eastward along the Niobrara River to a point three km east of the Meadville Bridge. The study area extends approximately three km north of the river and from 1-13 km south, including all of Plum Creek Canyon downstream from its crossing at the Johnstown Road.

Detailed records of nesting and other observations are kept at the Preserve headquarters. Mossman and Brogie (1983) discuss elsewhere the breeding of certain rare or unusual species in the study area.

Nomenclature follows the Thirty-fourth Supplement to the American Ornithologists' Union Check-list of North American Birds 1982.

#### KEY:

##### Abundance

- a - abundant (a common species which is very numerous)
- c - common (certain to be seen in suitable habitat)
- u - uncommon (present, but not certain to be seen)
- o - occasional (seen only a few times during the season)
- r - rare (seen only once or twice; not out of normal range)
- x - accidental (rare and outside normal range)

##### Season

- Sp - Spring (4 April - 31 May)
- Su - Summer (1 June - 15 August)

##### Breeding Status

- \* - a positive evidence of breeding (active nests or dependent young) in counties listed.

PIED-BILLED GREBE (r-Sp) One seen 14 April.

EARED GREBE (r-Sp) One found dead 7 May in Cherry County.

WESTERN GREBE (r-Sp, r-Su) Pair seen from 30 May - 5 June.

AMERICAN WHITE PELICAN (o-Sp, o-Su) Several flocks of 11-55 seen from 3 May - 24 June.

One flock of 50 seen 4 August.

DOUBLE-CRESTED CORMORANT (o-Sp, o-Su) Several groups of one to eight birds seen from 13 April - 4 June.

AMERICAN BITTERN (r-Sp) One seen 20 May in Brown County.

LEAST BITTERN (r-Su) One seen 17 June in Brown County.

GREAT BLUE HERON (u-Sp, u-Su) Seen frequently along river and larger streams. One seen in May carrying nesting material. Probable nester.

GREEN-BACKED HERON (o-Su) Five seen from 1 June - 1 August. Probable nester.

BLACK-CROWNED NIGHT-HERON (o-Sp) Four observations from 9 April-2 May. Heard again on 20-21 August.

CANADA GOOSE (o-Sp) Several flocks seen from 11-14 April.

WOOD DUCK\* (c-Sp, u-Su; Brown) Two broods of five young each seen from 15 June-13 July.

GREEN-WINGED TEAL (u-Sp) Seen from 4 April - 6 May.

MALLARD\* (c-Sp, u-Su; Brown) Four broods with one to four young each seen from 15 June - 13 July.

NORTHERN PINTAIL (o-Sp) Four seen from 4-6 April.

BLUE-WINGED TEAL (c-Sp, u-Su) Pairs seen throughout the summer. Probable nester.

NORTHERN SHOVELER (o-Sp) Seen from 4 April - 10 May.

GADWALL (r-Sp) One seen 4 April in Brown County.

AMERICAN WIGEON (o-Sp) Seen from 5-15 April.

REDHEAD (r-Sp) Two seen 4 May.  
 LESSER SCAUP (r-Sp) One seen 14 April in Brown County.  
 COMMON MERGANSER (c-Sp) Seen from 4 April - 8 May.  
 RUDDY DUCK (r-Sp) One seen 15 May in Brown County.  
 TURKEY VULTURE\* (c-Sp, c-Su; Cherry, Keya Paha) First seen 5 April. Three breeding records (Mossman and Brogie 1983).  
 OSPREY (o-Sp) Three sightings from 26 April - 7 May.  
 BALD EAGLE (c-Sp, r-Su) Numerous sightings of both immatures and adults along river from 5-12 April. One seen 12 May; one seen 14 June.  
 NORTHERN HARRIER (u-Sp, r-Su) Five sightings from 13 April - 7 June.  
 SHARP SHINNED HAWK \* (u-Sp, r-Su; Brown) Seen frequently from 7 April - 23 May; less commonly thereafter. One breeding record: nest with four eggs on 6 June (Mossman and Brogie 1983).  
 COOPER'S HAWK (u—Sp, u-Su) Seen occasionally throughout study period. Probable nester.  
 NORTHERN GOSHAWK (r-Sp) Three sightings from 11-16 April; two of which probably represent the same bird.  
 BROAD-WINGED HAWK (o-Sp) Five sightings from 26 April - 14 May.  
 SWAINSON'S HAWK (o-Su) Several sightings from 16 June - 17 July.  
 RED-TAILED HAWK \* (c-Sp, c-Su; Brown, Keya Paha) Three active nests, with one, two, and two nestlings respectively.  
 FERRUGINOUS HAWK (r-Su) One seen 5 June in Brown County.  
 ROUGH-LEGGED HAWK (r-Sp, r-Su) One seen 5 June; one seen 12 August.  
 GOLDEN EAGLE (r-Sp) Two Brown County sightings; 14 April and 5 May.  
 AMERICAN KESTREL \* (c-Sp, c-Su; Brown, Keya Paha) Four breeding records.  
 PRAIRIE FALCON (r-Sp, r-Su) Three sightings from 11 May - 28 June.  
 GRAY PARTRIDGE (x-Sp) One seen 11 May in Cherry County.  
 RING-NECKED PHEASANT \* (u-Sp, u-Su; Keya Paha) One breeding record: female with chicks seen in late June.  
 GREATER PRAIRIE-CHICKEN \* (u-Sp, u-Su; Cherry) Eleven leks found from 13 April - 7 May. One breeding record: adult with three young seen 29 July.  
 SHARP-TAILED GROUSE \* (c-Sp, c-Su; Cherry) Fourteen leks found from 11 April - 27 May. One breeding record: six young seen with three adults 29 July.  
 WILD TURKEY\* (c-Sp, c-Su; Brown, Cherry, Keya Paha) Nine breeding records. Three egg dates from 6 May-16 June.  
 NORTHERN BOBWHITE \* (u-Sp, u-Su; Cherry, Keya Paha) Three breeding records.  
 VIRGINIA RAIL (o-Sp, r-Su) Several observations from 14 April - 11 June. Probable nester.  
 SORA (r-Sp) One seen 13 May in Brown County.  
 AMERICAN COOT (o-Sp, r-Su) Five sightings from 10-14 April; one seen 24 July.  
 SANDHILL CRANE (c-Sp) Hundreds seen in migration from 5-30 April.  
 SEMIPALMATED PLOVER (o-Sp) Several seen from 27 April - 17 May.  
 PIPING PLOVER \* (r-Su; Brown) Active nest colony on river east of Meadville (Mossman and Brogie 1983).  
 KILLDEER \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) Nine breeding records; young first seen 26 May.  
 AMERICAN AVOCET (r-Sp) Two seen: 28 and 29 April.  
 GREATER YELLOWLEGS (o-Sp) Several sightings from 4 April-1 May.  
 SOLITARY SANDPIPER (r-Sp) One seen 29 April.

1. "... All through the spring migration and all through the nesting season we may hear the weird winnowing sound of the snipe's courtship flight, a tremulous humming sound, loud and penetrating, audible at a long distance. . . . The sound resembles the noise made by a duck's wings in rapid flight, a rapidly pulsating series of notes, **who, who, who, who, who, who, who, who**, increasing and then decreasing again in intensity. It has been termed the "bleating" of the snipe, but this does not seem to describe it so well as "winnowing." A.C. Bent, *Life Histories of North American Shore Birds*, Part I, p. 82.

- WILLET (u-Sp) Several flocks of 1-37 birds seen from 20 April-10 May.
- SPOTTED SANDPIPER\* (c-Sp, c-Su; Keya Paha) First seen 15 April. One breeding record: nest with two eggs on 17 June.
- UPLAND SANDPIPER\* (c-Sp, c-Su; Brown, Cherry) First seen 11 April. One breeding record: nest with two eggs on 5 May.
- LONG-BILLED CURLEW \* (o-Sp, r-Su; Brown) First seen 11 April. One breeding record: nest with two eggs on 5 May.
- SEMPALMATED SANDPIPER (o-Sp) Several sightings from 3-17 May.
- LEAST SANDPIPER (u-Sp) Several flocks seen from 3-10 May.
- BAIRD'S SANDPIPER (o-Sp, o-Su) Six seen from 4-6 April; several seen on 14 and 22 July.
- PECTORAL SANDPIPER (r-Sp, r-Su) One seen 6 May; two seen 22 July.
- STILT SANDPIPER (r-Sp) One seen 9 May.
- LONG-BILLED DOWITCHER (r-Sp) Flock of six seen 3 May in Brown County.
- COMMON SNIPER (u-Sp, r-Su) Winnowing<sup>1</sup> heard and birds observed from 14 April - 5 June. One seen 13 km south of study area on 25 June. Probable breeder.
- RING-BILLED GULL (o-Sp, r-Su) Several sightings from 4 April - 6 June.
- COMMON TERN (r-Sp) One seen 14 May.
- FORSTER'S TERN (o-Sp) Several sightings from 29 April-17 May.
- LEAST TERN \* (r-Su; Brown) Active nest colony on river east of Meadville (Mossman and Brogie 1983).
- BLACK TERN (r-Su) Two transients seen 5 June.
- ROCK DOVE \* (o-Sp, o-Su; Brown, Cherry, Keya Paha) Several local farms contain resident birds.
- MOURNING DOVE \* (a-Sp, a-Su; Brown, Cherry, Keya Paha) Sixty-one breeding records. Forty-two egg dates from 12 May - 30 August. Nest building as early as 25 April.
- BLACK-BILLED CUCKOO \* (u-Sp, u-Su; Brown) First seen 29 May. One breeding record: territorial bird near freshly built nest on 11 June.
- YELLOW-BILLED CUCKOO (u-Sp, u-Su) First seen 20 May. Food-carrying and territorial birds observed in June, July, and August. Probable nester.
- COMMON BARN-OWL (r-Su) Group of four individuals seen in Brown County in late August by local residents.
- EASTERN SCREECH-OWL \* (u-Sp, u-Su; Cherry) One breeding record: adult and four fledglings observed 29 July.
- GREAT HORNED OWL\* (c-Sp, c-Su; Cherry, Keya Paha) Two breeding records: both nests fledged two young.
- BURROWING OWL \* (c-Sp, c-Su; Brown) First seen 19 April. Nine individuals seen in prairie dog town on 23 August, of which at least four were immature birds.
- LONG-EARED OWL \* (o-Sp, r-Su; Cherry) One breeding record: nest with four eggs on 12 May (Mossman and Brogie 1983).
- COMMON NIGHTHAWK \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 14 May. Eight breeding records. Seven egg dates from 4-23 June. First summer flock seen 25 August.
- COMMON POORWILL \* (u-Sp, u-Su; Brown) First heard 2 May. One breeding record: nest with two young on 3 July.
- WHIP-POOR-WILL (o-Su) Three singing males found, one in each county: 3 and 14 June, 13 July. Probable nester.
- CHIMNEY SWIFT \* (o-Sp, o-Su; Brown) First seen 14 May. One breeding record: nest with five eggs in chimney on 10 June.
- BELTED KINGFISHER \* (c-Sp, u-Su; Brown, Keya Paha) Two breeding records. Several other nest burrows found without positive evidence of nesting.
- RED-HEADED WOODPECKER \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 6 May. Four breeding records. Fledged young first seen 24 July.
- RED-BELLIED WOODPECKER (o-Sp, o-Su) Territorial and cavity-inspecting birds observed from April-July. Probable nester.
- DOWNY WOODPECKER \* (c-Sp, c-Su; Brown) Two breeding records: nestlings on 15 and 28 June.
- HAIRY WOODPECKER \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) Eight breeding records. Six nestling dates from 30 May - 16 June.

NORTHERN FLICKER \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) Five breeding records. Four nestling dates from 4-20 June.

EASTERN WOOD-PEWEE (u-Sp, u-Su) First seen 19 May. Singing males observed in June and July; bird seen carrying nesting material in early June. Probable nester.

WILLOW FLYCATCHER (r-Sp, r-Su) Singing males observed in June and July. Probable nester.

LEAST FLYCATCHER (o-Sp, o-Su) Singing males observed in May and June. Probable nester.

EASTERN PHOEBE \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 7 April. Twenty-seven breeding records. Ten egg dates from 27 April - 28 June.

SAY'S PHOEBE (r-Sp) One seen 12 April in Brown County. One seen 13 April in Cherry County.

GREAT CRESTED FLYCATCHER \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 6 May. Four breeding records.

WESTERN KINGBIRD \* (u-Sp, u-Su; Brown) First seen 4 May. One breeding record. Adult feeding nestlings on 10 July.

EASTERN KINGBIRD \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 4 May. Five breeding records. One egg date: 3 July.

SCISSOR-TAILED FLYCATCHER (x-Sp) One seen 13 May in Brown County.

HORNED LARK \* (a-Sp, a-Su; Brown, Cherry) Five breeding records. Four egg dates from 9 June - 8 July.

TREE SWALLOW (o-Sp, o-Su) Birds inspecting cavities in early May. Probable nester.

NORTHERN ROUGH-WINGED SWALLOW \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 27 April. Fifteen breeding records. Fledglings first seen 12 June.

CLIFF SWALLOW \* (r-Sp, r-Su; Keya Paha) First seen 14 May. One colony: birds seen nest building and occupying old nests on cliff on 4 June.

BARN SWALLOW \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 15 April. Thirty breeding records, with 16 egg dates from 31 May - 23 June. Nestlings seen as late as 6 September.

BLUE JAY \* (c-Sp, c-Su; Brown, Cherry) First seen 30 April. Six breeding records. Two egg dates: 6 and 20 June. Fledglings first seen 28 June.

BLACK-BILLED MAGPIE \* (u-Sp, u-Su; Brown, Cherry) Ten breeding records. Five nestling dates: 24 May - 11 June. Fledglings first seen 28 June.

AMERICAN CROW \* (c-Sp, c-Su; Brown) Six breeding records; five of which represent family groups in which nest location is uncertain as to county.

BLACK-CAPPED CHICKADEE \* (c-Sp, c-Su; Brown, Keya Paha) Six breeding records. Fledglings first seen 12 June.

RED-BREASTED NUTHATCH \* (u-Sp, u-Su; Brown, Keya Paha) Three breeding records. Fledglings found 12 and 15 June (Mossman and Brogie 1983).

WHITE-BREASTED NUTHATCH \* (c-Sp, c-Su; Cherry, Keya Paha) Three breeding records. Nestlings found on 10 May and 4 June.

BROWN CREEPER \* (r-Su; Brown) One breeding record (Mossman and Brogie 1983).

ROCK WREN (r-Sp) One seen 3 May in Brown County.

BEWICK'S WREN (r-Sp) One seen 3 May in Brown County. One seen 4 May in Cherry County.

HOUSE WREN\* (c-Sp, c-Su; Brown, Cherry Keya Paha) First seen 9 May. Nine breeding records. Six nesting dates from 16-28 June.

MARSH WREN \* (c-Sp, c-Su; Brown) First seen 26 May. One breeding record: nest with two eggs found on 1 June. Many empty nests found.

GOLDEN-CROWNED KINGLET (o-Sp) First seen 26 April.

RUBY-CROWNED KINGLET (u-Sp) First seen 14 April.

EASTERN BLUEBIRD \* (u-Sp, u-Su; Brown) First seen 11 April. Two breeding records. At least 30 territorial males recorded.

TOWNSEND'S SOLITARE (o-Sp) Five sightings of seven birds from 13-29 April.

WOOD THRUSH (o-Sp, o-Su) Three singing males heard in Brown County in June and July. Probable nester.

AMERICAN ROBIN \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) Twelve nesting records. Nest building as early as 25 April. Eggs found from 22 May - 3 July. Nestlings first seen on 13 May.

GRAY CATBIRD (o-Sp, o-Su) First seen 28 May. Probable nester.

NORTHERN MOCKINGBIRD (o-Sp, o-Su) Two pair and three singing males seen from 24 May through July. Probable nester.

BROWN THRASHER \* (c-Sp, c-Su; Brown, Keya Paha) First seen 2 May, Four breeding records. One egg date: 4 June.

CEDAR WAXWING (r-Sp) Flock of five seen 26 May.

LOGGERHEAD SHRIKE \* (c-Sp, c-Su; Brown, Cherry) First seen 9 April. Seven breeding records. Three egg dates from 24 May - 1 June. Nestlings first seen 24 May.

EUROPEAN STARLING\* (u-Sp, u-Su; Brown, Keya Paha) Two breeding records.

BELL'S VIREO \* (u-Sp, u-Su; Brown) First seen 20 May. Three breeding records. One egg date: adult incubating four eggs on 21 June.

SOLITARY VIREO (o-Sp) Five seen from 14-18 May.

WARBLING VIREO \* (o-Sp, o-Su; Brown) First seen 14 May. One breeding record: bird building nest on 5 June.

PHILADELPHIA VIREO (r-Sp) One seen 20 May in Brown County.

RED-EYED VIREO \* (c-Sp, c-Su; Brown, Keya Paha) First seen 17 May. Two breeding records.

BLUE-WINGED WARBLER (r-Sp) One seen 15 May in Keya Paha County. Brewster's hybrid seen 19 May in Keya Paha County.

Brewster's hybrid seen 19 May in Keya Paha County.

TENNESSEE WARBLER (r-Sp) Two seen: 15 and 20 May.

ORANGE-CROWNED WARBLER (c-Sp) Seen from 26 April - 15 May.

YELLOW WARBLER (c-Sp, o-Su) First seen 10 May. Several singing males observed in June. Probable nester.

YELLOW-RUMPED WARBLER (a-Sp) First seen 25 April.

BLACK-THROATED GREEN WARBLER (r-Sp) Two seen: 16 and 17 May.

PRAIRIE WARBLER (x-Sp, x-Su) One male singing repeatedly from a grove of 5-8 m tall bur oaks (*Quercus macrocarpa*) from 26 May - 1 June, in Brown County. Absent thereafter.

PALM WARBLER (r-Sp) One seen 15 May in Keya Paha County.

BLACKPOLL WARBLER (o-Sp) Seen from 10-16 May.

BLACK-AND-WHITE WARBLER (c-Sp, c-Su) First seen 25 April. Numerous singing males and territorial birds observed from May-August. Probable nester.

AMERICAN REDSTART (u-Sp, u-Su) First seen 15 May. Singing males seen in May, June, and July. Probable nester.

OVENBIRD (c-Sp, c-Su) First seen 6 May. Numerous singing males and territorial birds observed from May-August. Probable nester.

NORTHERN WATERTHRUSH (r-Sp) One seen 3 May in Brown County.

COMMON YELLOWTHROAT \* (c-Sp, c-Su; Brown) First seen 3 May. One breeding record: nest with five young on 21 June.

YELLOW-BREASTED CHAT (u-Su) First seen 26 May. Territorial and food-carrying birds observed in June and July. Probable nester.

SCARLET TANAGER \* (u-Sp, u-Su; Brown) First seen 13 May. One breeding record: nest with four young on 22 June.

NORTHERN CARDINAL (o-Sp, o-Su) Singing males and territorial birds seen in May and June. Probable nester.

ROSE-BREADED GROSBEAK (c-Sp) Seen from 8-26 May. Evidently none stay to nest.

BLACK-HEADED GROSBEAK \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 6 May.

Four breeding records, including three observations of nest building from 28 May - 12 June.

BLUE GROSBEAK (o-Sp, u-Su) First seen 15 May. Singing males observed throughout summer. Probable nester.

LAZULI BUNTING (o-Sp, u-Su) First seen 15 May. Singing males seen in May and June. Probable nester.

INDIGO BUNTING\* (c-Sp, c-Su; Brown, Keya Paha) First seen 15 May. Four breeding records. One egg date: 20 June.

DICKCISSEL (u-Su) First seen 11 June. Singing males seen in June and July. Probable nester.

RUFIOUS-SIDED TOWHEE \* (c-Sp, c-Su; Brown, Keya Paha) Four breeding records. Two egg dates: 9 and 21 June.

AMERICAN TREE SPARROW (c-Sp) Last seen 15 April.

CHIPPING SPARROW \* (c-Sp, c-Su; Brown, Keya Paha) First seen 22 April. Three breeding records. One egg date: 23 May.

CLAY-COLORED SPARROW (u-Sp, r-Su) First seen 3 May. Territorial birds seen in May and June. Probable nester.

FIELD SPARROW\* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 13 April. Seven breeding records. Three egg dates from 1-23 June.

VESPER SPARROW (o-Sp, r-Su) First seen 16 April. Singing males seen in May, June, and July. Probable nester.

LARK SPARROW \* (a-Sp, a-Su; Brown, Cherry, Keya Paha) First seen 26 April. Sixteen breeding records, with 11 egg dates from 23 May - 21 June. First fledgling seen 11 June.

LARK BUNTING \* (o-Sp, o-Su; Cherry) First seen 4 May. One breeding record: downy fledgling seen 19 August.

SAVANNAH SPARROW (o-Sp) Three seen from 3-14 May.

GRASSHOPPER SPARROW \* (a-Sp, a-Su; Keya Paha) First seen 23 April. One breeding record: nest with eggs on 21 June.

SONG SPARROW (c-Sp) Numerous sightings from 12 April - 9 May.

LINCOLN'S SPARROW (u-Sp) Several seen from 27 April - 9 May.

SWAMP SPARROW (r-Sp, r-Su) First seen 20 April. Territorial birds seen in June and July. Probable nester.

WHITE-THROATED SPARROW (o-Sp) Three seen from 3-6 May.

WHITE-CROWNED SPARROW (u-Sp) Several groups seen from 3-5 May.

HARRIS' SPARROW (r-Sp) One seen 16 May in Brown County.

DARK-EYED JUNCO (c-Sp) Last seen 29 April.

CHESTNUT-COLLARED LONGSPUR (o-Sp) Three observations from 11-14 May.

BOBOLINK (o-Sp, o-Su) First seen 26 May. Singing males seen in June and July. Probable nester.

RED-WINGED BLACKBIRD \* (c-Sp, c-Su; Brown, Keya Paha) Males present at beginning of study. Females first seen 14 April. Twenty-seven nests found with eggs or young; numerous other nests found.

WESTERN MEADOWLARK \* (a-Sp, a-Su; Brown, Cherry, Keya Paha) Eleven breeding records. Seven egg dates from 9-24 May.

YELLOW-HEADED BLACKBIRD (o-Sp) Seen from 27 April-3 May.

COMMON GRACKLE \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) Fourteen nests with eggs or young; 60 other nests not checked.

BROWN-HEADED COWBIRD \* (c-Sp, c-Su; Brown, Cherry, Keya Paha) First seen 13 April. Ten nests found containing cowbird eggs or young (parasitized species include: Horned Lark, Orchard Oriole, Rufous-sided Towhee, Lark Sparrow, and Field Sparrow). Eight egg dates from 27 May - 21 June.

ORCHARD ORIOLE \* (c-Sp, c-Su; Brown) First seen 20 May. Three breeding records and several empty nests.

NORTHERN ORIOLE \* (c-Sp, c-Su; Brown, Keya Paha) First seen 9 May. Five active and 18 inactive nests found.

PURPLE FINCH (r-Sp) One seen 29 April in Brown County.

RED CROSSBILL (r-Su) One seen 7 June in Cherry County.

PINE SISKIN (c-Sp) Last seen 17 May.

AMERICAN GOLDFINCH \* (c-Sp, c-Su; Brown) One breeding record: freshly built nest with both adults present on 24 July.

EVENING GROSBEAK (r-Sp) Flock of 25 seen 29 April in Brown County.

HOUSE SPARROW \* (u-Sp, u-Su; Brown, Cherry, Keya Paha) Several local farms contain resident birds.

#### ADDENDUM:

Included here are those species which have been recorded on the study area previous to or since this work was completed, but which were not observed during the 1982 spring and summer field season.

TUNDRA SWAN - Two seen on river 10 December, 1981.

GREATER WHITE-FRONTED GOOSE - Flock seen 21 October, 1981.

SNOW GOOSE - Flock seen on river 20 October, 1981.

MERLIN - One seen in Cherry County in September, 1981.

PEREGRINE FALCON - Two 1982 Keya Paha County sightings: 14 and 25 September.  
 WHOOPING CRANE - Four adults seen on river 1.5 km west of the Norden Bridge 29 and 30 October, 1982. Several other historic sightings.  
 SHORT-EARED OWL - Historic nesting record in Brown County in late 1960's.  
 RUBY THROATED HUMMINGBIRD - Observed in past years by local residents.  
 MOUNTAIN BLUEBIRD - Group of four seen 28 October, 1982 in Brown County.  
 SWAINSON'S THRUSH - One seen in September, 1981 in Brown County.  
 HERMIT THRUSH - One seen 28 September, 1982 in Brown County.  
 YELLOW-THROATED VIREO - Four individuals seen in May and June, 1964 (Short 1965).  
 NASHVILLE WARBLER - Several seen from 28 September - 13 October, 1982.  
 NORTHERN PARULA - One seen 21 June, 1964 (Short 1964).  
 FOX SPARROW - One seen in October, 1981 in Cherry County.

#### SUMMARY:

One hundred eighty-six bird species were recorded from the Niobrara Valley Preserve and adjacent areas from 4 April - 15 August 1982. Direct evidence of nesting was obtained for 75 species. An additional 30 species almost certainly nest, although definite evidence is lacking. This total of 105 species represents over half of the birds believed to currently breed or have bred in Nebraska (Johnsgard 1979).

The list of 1982 spring and summer birds includes one federally endangered species (Bald Eagle); one state threatened species (Interior Least Tern), seven species on the state "special concern list" (Great Blue Heron, Black-crowned Night-Heron, Cooper's Hawk, Ferruginous Hawk, Piping Plover, Common Barn-Owl, Eastern Bluebird) many species which are at or near the edges of their breeding range (eg., Common Snipe, Least Flycatcher, Tree Swallow, Red-breasted Nuthatch, Ovenbird), and three rarities that apparently wandered beyond their normal range (Gray Partridge, Scissor-tailed Flycatcher, Prairie Warbler). Additionally two other federally endangered species (Peregrine Falcon and Whooping Crane) were seen on the Preserve during the fall of 1982 (see Addendum).

Although this species list will undoubtedly be expanded in the future, the observations presented here demonstrate that the area is rich in avifauna and worthy of preservation efforts.

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## BREEDING STATUS OF SELECTED BIRD SPECIES IN THE NIOBRARA VALLEY PRESERVE AREA, NEBRASKA

by Michael J. Mossman and Mark A. Brogie

### INTRODUCTION

The Niobrara Valley Preserve is located in north-central Nebraska and includes a variety of relatively undisturbed grassland, woodland, and wetland habitats. The diversity of habitats, in conjunction with the area's central geographic location near the 100th meridian, results in a diverse avifauna with many species and subspecies occurring at or near the western, eastern, southern, or northern edge of their breeding ranges. Several pairs of sibling species and subspecies are found here within their narrow band of sympatry. The breeding list of the Preserve and environs includes at least 105 species (Brogie and Mossman 1983), several of which are rare or declining in Nebraska or nationwide.

This paper describes the evidence of breeding for those species and subspecies considered significant on the basis of their rarity, critical population status, or marginal geographic occurrence. A few other species are discussed that are conspicuous in their absence or scarcity.

Unless otherwise indicated, information on statewide and regional distribution and abundance is from Johnsgard (1979a, 1979b, 1980). The designations of statewide endangered, threatened, or special concern status are from the Nebraska Game and Parks Commission (1977) and Ross Lock (Neb. Game and Parks Comm., pers. comm. 1982). Additional information on national and regional status is indicated by reference to the *American Birds Blue List* for 1982 (Tate and Tate 1982).

### STUDY AREA AND METHODS

The study area includes the 22,000 ha Niobrara Valley Preserve, owned by The Nature Conservancy, and an additional 20,000 ha of adjacent, privately owned land. The area extends 50 km along the Niobrara River in Cherry, Brown, and Keya Paha counties. Study area boundaries are described in Brogie and Mossman (1983). The river valley contains exposed sandbars, floodplain forest dominated by cottonwood (*Populus deltoides*) and green ash (*Fraxinus pennsylvanica*), scattered oxbow marshes with species such as cattail (*Typha latifolia*), bulrush (*Scirpus actus*), and sandbar willow (*Salix discolor*), and eastern deciduous forest dominated by bur oak (*Quercus macrocarpa*), basswood (*Tilia americana*), green ash, and ironwood (*Ostrya virginiana*). White birch (*Betula papyrifera*) occurs in several springbranch canyons and north-facing slopes. Grazed sandhill prairie covers the flat to hilly uplands south of the river. The Crookston Table lies north of the river and supports grazed mixed grass prairie and cropland. Uplands on both sides of the river are dissected by canyons containing ponderosa pine (*Pinus ponderosa*) - bur oak woodland and eastern deciduous forest.

We surveyed for birds almost daily by foot, truck, and canoe during the period 4 April-10 July 1982, and less frequently during the remainder of the summer. Records were also collected from other Preserve personnel and local residents. A complete summary of breeding records for all species is maintained at the Preserve headquarters.

Common names of birds follow the recent supplement to the AOU checklist (American Ornithologists' Union 1982).

### RESULTS AND DISCUSSION

#### Eastern species

Positive evidence of breeding was secured for the Wood Duck, Bobwhite, Eastern Phoebe, White-breasted Nuthatch, Eastern Bluebird, Red-eyed Vireo, and Scarlet Tanager. Other eastern species that were present during the breeding season and which almost certainly nested are the Green-backed Heron, Whip-poor-will, Red-bellied Woodpecker, Eastern Wood Pewee, Wood Thrush, Black-and-white Warbler, Ovenbird, American Redstart, and Northern Cardinal.

**Green-backed Herons** were seen as far west as Little Cedar Creek, Cherry County. The westernmost **Wood Duck** brood was in T33N R23W Sec. 31, Brown County. Three **Whip-poor-wills** were heard singing during the summer at different sites: on 14 June in Plum Creek Canyon (Brown County); on 13 July in Turkey Creek Canyon (Keya Paha County); the westernmost, on 3 and 4 June in T34N R25W Sec. 28 (Cherry County) — these are considerably

farther west than previous summer records, except for observations made around the turn of the century in Cherry and Brown Counties (Brunner 1896, Bates 1900). **Red-bellied Woodpeckers** occurred at 6 sites, as far west as T33N R25W Sec. 12, Cherry County. Adults were seen repeatedly at 2 sites; at one of these we watched a female enter a tree cavity while an adult male called from the same tree. This species evidently occurred here rarely a half century ago (Youngworth 1955).

Singing male **Eastern Wood-Pewees** were recorded at many sites all along the river and in several canyons, and on 4 June a bird was carrying nest material along McGill Creek, Keya Paha County. The **Eastern Phoebe** nested in most abandoned buildings and wooden bridges in the river valley and canyons. **White-breasted Nuthatches** occurred along the entire stretch of the river valley. In Cherry County we saw adults feeding nestlings in tree cavities on 2 occasions: on 10 May in a bur oak in T33N R25W Sec. 11, and on 4 June in a cottonwood in T34N R25W Sec. 29.

The **Eastern Bluebird** is on the Blue List and Nebraska's special concern list. We recorded over 30 territorial males in oak savanna habitat along the river in Brown and Keya Paha counties, and saw one active nest, a family group, and various examples of nesting behavior. We found single singing **Wood Thrushes** at 3 localities in hardwoods along the river, all in T33N R23W Sec. 32 and 33, Brown County. Singing was heard frequently from 14 May into August. Short (1966) found Wood Thrushes in this vicinity in 1964, and Youngworth (1955) reported them previously.

The following 4 species of the eastern deciduous forest were fairly common along the entire stretch of the valley and in some canyons. Youngworth (1955) found all 4 species here during previous summers. **Red-eyed Vireos** were building a nest on 12 June in T33N R23W Sec. 26, Keya Paha County, and a pair of adults were feeding 2 fledglings in T33N R23W Sec. 33, Brown County, on 21 August. **Black-and-white Warblers** obviously nested here, although positive evidence is lacking. We saw 2 birds, evidently a pair, scold and chase a Robin on 13 May, and saw another presumed pair making repeated visits to one spot on the litter-covered ground on 23 May. Breeding records are also lacking for the **Ovenbird**, although on 3 and 23 June in Cherry County we encountered agitated birds that behaved as though a nest or young were nearby; on the latter date, one bird carried food in its bill. Short (1961) found Ovenbird nests in the study area in 1955, and several nests were found previously by Youngworth (1955). A **Scarlet Tanager** nest containing 4 nestlings was found by Ed M. Brogie on 22 June, in a 12 m bur oak at a height of 9 m, in T33N R24W Sec. 18 NE, Brown County. This species was also recorded in the study area by Short (1961).

The **Northern Cardinal** occurred uncommonly in riparian areas and we encountered territorial individuals and pairs on several occasions.

The absence of several eastern species was noteworthy. **Barred Owls** were not recorded even though we spent many nights in the field and played taped calls in riverbottom woods. This was an uncommon resident in our area at one time (Youngworth 1955). **Ruby-throated Hummingbirds** and **Purple Martins** were apparently absent, although Hummingbirds have been seen in previous years by local residents, and Martins evidently nest in nearby Ainsworth (Short 1965) and occurred previously along the river (Youngworth 1955). Although we are familiar with vocalizations of the **Yellow-throated Vireo**, we found none in the study area. Short (1965) recorded 3 singing males and a female here in late May and June of 1964, and it may be that breeding populations are unstable this far west. We found no **Northern Parulas** nor **Cerulean Warblers**, and consider those collected along the Niobrara by Short (1965) to be summer wanderers. The **Rose-breasted Grosbeak** occurred only in migration. **Eastern Meadowlarks** were absent, probably owing to the scarcity of lowland prairies and meadows.

#### Western species and subspecies

Thirty years ago Youngworth (1955) noted that our vicinity was "fast becoming the eastern limit for many prairie forms which formerly blanketed eastern Nebraska and much of Iowa and Minnesota," including the **Long-billed Curlew**. This species is on the Blue List and it evidently no longer breeds east of the sandhills. We could account for only 2 breeding pairs on the study area, both in relatively flat sandhill prairie: Deborah Paulson found an adult on a nest with 2 eggs on 5 May in T32N R23W Sec. 11, Brown County, and it was also observed on subsequent dates; the second pair was very defensive on 2 June, diving at us and exhibiting distraction behavior, in Cherry County.

**Common Poor wills** were heard singing throughout the study area, as far east as Plum Creek Canyon in Brown County. On 3 July we flushed an adult from a nest containing 2 young. The nest was at the base of a clump of little bluestem (*Andropogon scoparius*) and 0.3 m tall sumac (*Rhus glabra*) in rolling sandhill prairie, in T32N R23W Sec. 7, Brown County.

The **Northern Flicker** was represented by both yellow- and red-shafted forms, the latter being outnumbered by a ratio of approximately 20:1. We found 4 nests of the yellow-shafted form and one nest attended by a red-shafted adult. Hybridization evidently occurs, for we saw birds of intermediate shaft color.

We located 10 active **Black-billed Magpie** nests in the sandhills — 9 in Brown and 1 in Cherry County. Three nests were in chokecherry (*Prunus virginiana*), 2 in hackberry (*Celtis occidentalis*), 2 in red cedar (*Juniperus virginiana*), 2 in green ash, and 1 in ponderosa pine, at heights of 2.1-7 m.

Prior to the present study, only one Nebraska breeding record had been secured for the **Red-breasted Nuthatch** (Johnsgard 1980). Short (1965) found 2 pairs of Red-breasted Nuthatches within the study area in June 1964, and assumed they probably nested here. Youngworth (1955) failed to note them here previously. We found this to be a common breeding species on the study area, in ponderosa pine woods. We saw an adult (accompanied by a second bird, presumably its mate) excavating a cavity in a dead pine stump on 15 June in Brown County. On 12 June we watched for 15 minutes as an adult fed 2 fledglings in oak-pine woodland in Turkey Creek Canyon, T33N R23W Sec. 26 SW, Keya Paha County. The fledglings displayed yellowish gape flanges; they were silent and stationary, perched in a bur oak. The adult foraged within 10 m of the young birds, bringing food to them every 1-5 minutes. On 15 June an adult fed a fledgling in a pine in Moore Creek Canyon, T32N R22W Sec. 22, Brown County. The young bird was actively creeping on the trunk and limbs, and its bill had yellowish edges. On 22 June, 2 fledglings were food-begging and being fed by adults, in T33N R23W Sec. 16 SW, Keya Paha County.

The **Black-headed Grosbeak** was common on the study area along the entire river valley and in most canyons. Females were building nests on 28 May near East Middle Creek, Keya Paha County, on 4 June in T34N R25W Sec. 29, Cherry County, and on 12 June in Turkey Creek Canyon, Keya Paha County. On 17 June a female was on a nest in a green ash in Quinn Canyon, Brown County. We found no evidence of hybridization with the Rose-breasted Grosbeak, which evidently did not nest here. In contrast, the Rose-breasted Grosbeak nested here commonly 30-50 years ago, whereas the Black-headed Grosbeak occurred only rarely (Youngworth 1955).

**Lazuli Buntings** certainly nested in the study area, and they were found at scattered sites as far east as Quinn and Hurlbut Canyons in Brown County. We do not know if any individuals bred with the cogenetic Indigo Bunting, which outnumbered the Lazuli by a factor of approximately 40:1.

Hybridization of the 2 **Northern Oriole** subspecies also appears to occur, although we recognized only one bird that displayed obvious hybrid characters: an adult male with a half-black head and wide wing patch, attending a nest near East Middle Creek in Keya Paha County. All other Northern Orioles seen closely were of the Baltimore form. Youngworth (1955) made similar observations 30-50 years ago.

Several western species did not nest here, although they might be expected. We were surprised to find only one **Ferruginous Hawk**, apparently a vagrant, on 5 June. This species is on the Nebraska special concern list. We saw **Golden Eagles** on 14 April and 6 May; these were evidently wandering individuals, and one was an immature. A **Prairie Falcon** was seen on several occasions during summer 1981 (Ben Brown, pers. comm. 1982), and again several times in summer 1982. All sightings were near Plum Creek Canyon and the Niobrara River, Brown County. We scanned almost all cliffs in this area and found no evidence of nesting. No **Western Wood Pewees** were observed. Two **Say's Phoebes** and one **Rock Wren** were found near abandoned buildings in April and May but none stayed to nest. Youngworth (1955) found both species apparently nesting in our area previously.

#### Northern species

Six species of northern distribution apparently nested here, and one species that might be expected — the **Song Sparrow** — occurred commonly during migration but was not found during the breeding season although seemingly suitable habitat was available.

The **Common Snipe** is considered a "very rare or highly local breeder" in Nebraska (Johnsgard 1979a), and Wood (Nebr. Bird Rev. 38:17. 1970) recorded an adult with young

several kilometers southeast of the study area in Rock County. Although wetland habitat was not extensive on the study area, this species probably nested in some small marshes along the Niobrara. The most likely site is in T33N R25W Sec. 12 NE, Cherry County, where a bird was winnowing<sup>1</sup> on 4 and 5 June. In T33N R23W Sec. 33, birds were heard winnowing and up to 6 were seen at one time, from 12-23 April. We found no Snipe at the latter site on several subsequent visits, including an afternoon spent dragging the marsh with a rope to flush birds. Three were flushed in T32N R22W Sec. 8 on 27 April. One winnowed over Sunnybrook Swamp, T33N R24W Sec. 18, on 13 May. Another bird was seen just south of the study area, flying over Hwy. 20, 1.5 km east of Johnstown, Brown County, on 25 June.

The **Least Flycatcher** is considered a very rare breeder in Nebraska. Two pairs were previously found during the breeding season in the study area in Brown County (Short 1965), and Youngworth (1955) considered that "apparently a few remain to breed" along this section of the Niobrara. We found 9 singing males in 7 sites between 20 May and 5 June in Keya Paha and Brown Counties. It probably nested in at least some of these sites but further observations are needed.

**Tree Swallows** probably nested at a few sites in wetlands along the river valley and Plum Creek. On 4 May, 4 were inspecting cavities 3-5 m up in a dead snag over standing water, in a marsh along the river in Cherry County. On 13 May we saw 2 at Sunnybrook Swamp in Brown County, and we saw 1 here again on 5 June. On 10 July 1 was recorded in an open marshy site with dead standing trees along Plum Creek. Short (1961) noted Tree Swallows along the river near Valentine in June 1955.

The **Brown Creeper** evidently breeds in the Pine Ridge area and rarely along the Missouri River, where Aughey (in Bent 1948:50) found several nests in the 1800's. The only recent records are from Sarpy County, where a nest was found beneath a slab of hardwood bark in 1975 (Cortelyou 1975), and nests were found in 1977 (Bennett 1978). Only one pair of Creepers was recorded in our study area. We found these birds on 9 July in T32N R22W Sec. 10 NW, Brown County, on the Niobrara floodplain among American elm (*Ulmus americana*), cottonwood, red cedar, green ash, and ponderosa pine. Many of the elms, cottonwoods and pines were dead, with the bark peeling. On this day we saw an adult carry food to a rotten, 15 m tall ponderosa pine while a male sang nearby. The nest was found beneath a slab of peeling bark at a height of 6 m. It contained 2 nestlings.

Although singing **Clay-colored Sparrows** were common in the sandhills during 3-14 May, we found only 2 during the breeding season, both in Brown County sandhills. One was singing on 25 May in a strip of planted red cedar and ponderosa pine 2.4 m tall, and the other was in shrubby sandhills prairie on 1 June. Youngworth (1955) considered this a rare breeder in the area.

**Swamp Sparrows** were found singing in 2 willow-choked marshes along the Niobrara, and they almost certainly nested at both sites. Five birds were seen and heard singing in T33N R23W Sec. 32 on 1 June and later dates. Five were singing in T33N R23W Sec. 2 on 25 July.

#### Southern species

Johnsgard (1979a) mentions that the **Northern Mockingbird** breeds occasionally as far north at Thomas and Greeley Counties in the sandhills. This species evidently nested on the study area and we found it in 5 sandhills sites in T32N, R23-24 W, Brown County. A territorial pair was seen at one site on 24 May and again on 14 June. We found another territorial pair on 27 May, and recorded 3 singing males in a third area on 3 July.

#### Significant non-peripheral species

Although the **Great Blue Heron** nests in many locations in Nebraska, it is included on the special concern lists of Nebraska and *American Birds*, largely because rookeries are sensitive to human disturbance. Most nests in the Great Plains are in riparian sites, lakes, or reservoirs. We have records of 3 nesting areas, all in uplands.

Great Blue Herons are uncommon along this stretch of the Niobrara during the breeding season, although according to local residents they were more abundant 10 years ago before canoeing became popular here. They nested previously at 2 sites in the sandhills of Brown County, although both sites were inactive in 1982 and no old nest structures were found. One site was active until at least ca. 1976 and consisted of several nests in a group of ponderosa pines near the Cherry County line in T33N R24W, probably in Sec. 18, 1-4 km south of the river (Alfred Conner, pers. comm. 1982). The other site was evidently a single nest in a pine, active for many

1. See footnote, *NBR* 51:46

years, ca. 2 km south of the river in T32N R23W Sec. 4 (Nilo Kuhre, pers. comm. to Ben Brown 1982).

We suspected nesting by a pair in Fairfield Creek Canyon. One or 2 Herons were often seen in the canyon or near its mouth and one was seen flying up the canyon with something, evidently nesting material, in its bill. We found Great Blue Herons in substantial numbers at the fish hatchery ponds in T34N R26W Sec. 21-22; 12 were counted here on 2 June.

At least some of the Great Blue Herons seen on the eastern section of the study area came from the rookery located 20 km north of the river in T34N R22W Sec. 10 NENE, Keya Paha County. Birds were seen flying to and from the direction of the rookery on several occasions. This rookery occurs in a 8 ha. grove of mature cottonwoods surrounded by hay, pasture, and corn, and it has been active for at least 5 years (Mrs. Ben Weston, pers. comm. 1982). On 21 July we counted 56 active nests in a total of 25 trees near the center of this grove, and some young birds were able to fly a short distance.

The **Turkey Vulture** evidently breeds locally throughout most of the state, although few nests or roosts have been recorded. Only 2 nests have been reported since 1904 (Lionberger 1944, Hatch and Garrels 1971). It was considered a breeder in Cherry County near the turn of the century (Brunner 1896) and Youngworth (1955) considered it a regular summer resident along this stretch of the Niobrara, but nesting was not documented.

This is a common spring and summer resident on the Preserve, and up to 15 birds were found on various occasion, roosting or sunning in trees on the north-facing slope and adjacent floodplain of the river. Two nests were recorded in past years in the study area, and 3 new nests were located in 1982. All but the Brown site were on the upper edges of steep, south-facing bluffs at the edge of the Crookston Table, in ponderosa pine woodland with other species such as red cedar, yucca (*Yucca glauca*), poison ivy (*Toxicodendron radicans*), and aromatic sumac (*Rhus aromatica*).



"Egelhoff" Turkey Vulture nest site, April 1982.

**EGLHOFF SITE.** One nestling was found ca. 1960 by Richard Egelhoff (pers. comm. 1982) in a cave atop a bluff between Middle and East Middle Creeks, T33N R23W Sec. 20, center of S½, Keya Paha County. The cave is ca. 6.5 m deep, 3 m wide, and 1 m high at its mouth, narrowing to ca. 1 × 0.3 m at the back. We checked this site several times between 12 April and 12 August 1982 and found no evidence of attempted nesting. The floor of the cave was covered with porcupine



Turkey Vulture nestling about to fledge. "Vulture Point" nest site, 12 August 1982.

(*Erethizon dorsatum*) scats, as it was when the nestling was discovered previously.

**BROWN SITE.** In the summer of 1981, Ben Brown (pers. comm. 1982) flushed an adult Turkey Vulture from a thicket of red cedar and chokecherry in sandhills pasture ca. 6 km southwest of the Preserve headquarters, in T32N R23W, Brown County. He found 2 nestlings on the ground beneath shrubs. This site was not visited in 1982.

**VULTURE POINT SITE.** We found 2 eggs here on 18 May and again on 28 May, in a chamber  $1 \times 1 \times 3$  m long, formed beneath 2 large tumbled boulders that had fallen from an adjacent 6 m tall cliff. On 13 June an adult was scared from the nest; the nest contained 2 downy nestlings which stood unsteadily and were less than a week old. On 12 August a nestling was removed from the nest, photographed, and released. After standing for a minute on a rock, it flew off. The second bird ran from a small opening at the back of the nest chamber and also flew. It appeared that this was the first extended flight for both birds. Two other immatures flew about the area also. The nest is located in T33N R23W Sec. 17 SE, Keya Paha County.

**SPARKS SITE.** This nest contained one nestling when discovered by David Kizirian on 26 June 1982. The nest cavity is ca 0.3 m high and 1 m in diameter, probably dug or enlarged by a mammal, at the base of a rockshelter-like cliff, 3 m tall. On 17 August the nestling was extricated from the cavity but did not fly when released. It was fully feathered and its downy cap was nearly gone — it probably fledged during the following week. The site is in a large canyon south of the village of Sparks, in T34N R25W Sec. 28 NW, Cherry County.

**EAST MIDDLE CREEK SITE.** This nest is in a small canyon that empties into East Middle Creek, in T33N R23W Sec. 21 SW, Keya Paha County. It is 2.9 km from the Vulture Point site. It contained one nestling when discovered by Kizirian on the afternoon of 20 August. The bird fledged before we visited the site the following evening, at which time we saw an immature flying

Sharp-shinned  
Hawk on nest, 22  
June 1982.  
Photograph by Matt  
Bradley, courtesy  
National  
Geographic Society.

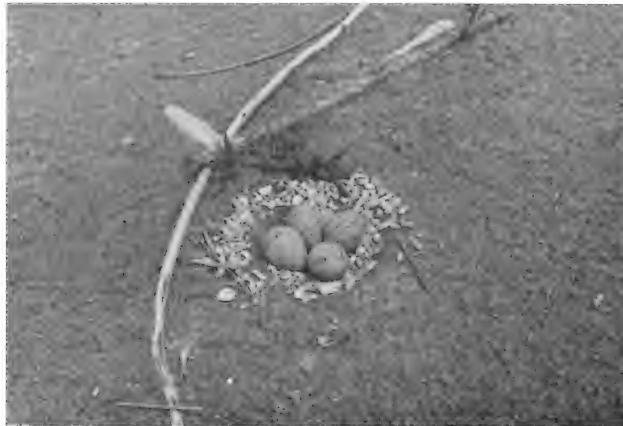


over the area. The nest cavity was evidently expanded by mammal digging; it is located under a fallen boulder near the base of a 4 m tall cliff, and is 4 m from a known rattlesnake den. It consists of 2 contiguous chambers, each 3-6 dm high and 6-10 dm in diameter.

The **Sharp-shinned Hawk** has been on the Blue List since 1972, and the only state nesting records are from many years ago in Sioux County (Bruner et al. 1904, Johnsgard 1979a). According to Youngworth (1955), this species was a "resident in small numbers" in the study area 30-50 years ago. We saw Sharpshins frequently in April and May, including an apparent pair on 12 May and a male carrying food at another site in late May. At a third site (T32N R24W, Brown County) we found an active nest in a 10 m red cedar at a height of 5.5 m, in a strip of woods consisting mostly of bur oak, red cedar, and green ash. Both the male and female "kakked" at us on 16 May, at which time the nest was empty. The female was incubating 4 eggs on 6 June, and was on the nest on 22 June. On 2 August a bird was seen flying from the nest. On 25 August the nest was empty except for the remains of songbird prey, and it appeared that nestlings had fledged. Both parents were in immature plumage.

The **Cooper's Hawk** is on the special concern lists of Nebraska and *American Birds*. It is evidently a rare summer resident in Nebraska with no recent nesting records. This species was seen at 7 localities on the study area from 12 May to 30 July, and it probably nests here. Adults were heard kakkings defensively at 2 of these sites, and an adult female was carrying food at a third site. Youngworth (1955) found resident Cooper's Hawks in the study area previously.

The **Piping Plover** is a Blue List species with special concern status in Nebraska, where it is a rare and local breeder. This species nested on our study area in 1982, in a mixed colony with Least Terns, on a sandbar 3 km east of Meadville (see site description in Least Tern account). On 14 July we found 4 nests with clutch sizes of 1, 3, 4, and 4; no chicks were seen. We searched the site thoroughly on 22 July and found 16 chicks and an active nest with 4 eggs; the site had been recently disturbed by cattle. Piping Plovers were seen nowhere else along the river.



Piping Plover nest near Meadville, 14 July 1982.

The **Interior Least Tern** is threatened in Nebraska and is included on the Blue List. Several colonies are known from Nebraska and in recent years 4-10 colonies have been found annually along the Niobrara River, almost all of these being downstream from our study area (Gregory Wingfield, Nebraska Game and Parks Commission, unpubl. data 1975-1981). On 29 July 1979, the Game and Parks Commission (op. cit., unpubl. data 1979 and in litt. 1982) recorded 7 Least Terns on a sandbar at the mouth of Chimney Creek, within the study area. The survey was

conducted by air and thus no positive evidence of nesting was found. No birds were found at this site during the surveys of 1975, 1978, 1980, 1981, nor 1982.

A colony was discovered at a second site in 1982 by the Game and Parks Commission, 3 km east of Meadville in T32N R21W Sec. 18 E½, at the eastern edge of the study area. Nests were placed on a broad low sandbar ca. 6 ha. in size, bordered on the north by a channel ca 1m deep and 20-50 m wide, and on the south by braided channels 0.2-0.5 m deep and 5-15 m wide. The sandbar was mostly bare, with scattered, stunted *Elocharis*, *Scirpus*, *Salix*, and grasses. We visited the site on 14 July and counted 5 active nests with 1, 2, 2, 2, and 3 eggs respectively, and at least one old nest. A maximum of 24 adults was seen. On 24 July a more thorough search of the entire sandbar revealed 4 well-feathered chicks unable to fly, one nest with 3 eggs, and one immature flying with a maximum of 14 adults. The site had been trampled by cattle which had evidently approached from the south since our previous visit. This may have caused failure of some Tern and Plover nests. Tracks of raccoon (*Procyon lotor*) and coyote (*Canis latrans*) were also found.



Least Tern nest near Meadville, 14 July 1982.

The **Long-eared Owl** is an uncommon to rare resident in Nebraska. We found this species at 3 sites, all in mixed red cedar and hardwoods. On 12 May a nest was discovered at one of these sites in a dense patch of red cedars beside a stream in T33N R25W Sec. 11, center of E½, Cherry County. The nest was in a 13 m tall red cedar at a height of 9m, and contained 4 eggs. One adult was incubating and the other was perched 40 m away in the same patch of cedars. On 23 June no Owls were found at the site, and the matted nest contained pellets, whitewash, and a dead Grasshopper Sparrow, suggesting that young had fledged.

A few species that have evidently suffered population declines in recent years in the United States were absent or occurred in surprisingly low numbers on our study area, even though suitable breeding habitat apparently occurred. The **Northern Harrier** and **Swainson's Hawk** are Blue List species that were surprisingly rare in our area. Youngworth considered them both "regular summer residents" in our area. We saw only one Harrier during the breeding season (2 June). We saw Swainson's Hawks at only 2 sites, both in the sandhills near wooded canyons. At one of these sites — a recently disced field — adults and young were seen on several occasions and an adult was seen carrying food. The **Short-eared Owl** is on the Blue List and the state special concern list, and was not recorded during our study; a nest was found and photographed on the study area in the late 1960's (Loring Kuhre, pers. comm. 1982). The **Bank Swallow** is

considered of special concern by *American Birds* and was also absent, although it was a regular summer resident along the Niobrara 30-50 years ago (Youngworth 1955).

Several other Blue-listed species were relatively common breeders on the study area, including the **Upland Sandpiper**, **Loggerhead Shrike**, **Dickcissel**, and **Grasshopper Sparrow**. Common species that are on the American Birds special concern list include the **Sharp-tailed Grouse**, **Eastern Screech-Owl**, **Burrowing Owl**, and **Common Nighthawk**.

#### SUMMARY

We conducted a thorough inventory of breeding birds on a 42,000 ha area along the Niobrara River valley in north-central Nebraska, and documented the abundance and breeding status of many species that are at or near the margins of their breeding range. The data presented here help interpret the results of less intensive surveys of larger areas within the Great Plains (e.g., Short 1961, 1965), and helps define species breeding ranges, many of which are not well understood in Nebraska (e.g., Johnsgard 1979a). Nesting is documented or suggested for 16 eastern, 6 western, 6 northern, and one southern species. Fourteen other "geographically marginal" species which might have been expected were absent from the study area during the nesting season. At least 2 species, Ruby-throated Hummingbird and Yellow-throated Vireo, are present some years and absent in others, suggesting that the range limits of some species may fluctuate in this region.

This study also documented nesting for 6 species that are not near the limits of their breeding range but which are considered rare or declining in Nebraska, or for which very few state breeding records exist. Although several species known to be suffering population declines elsewhere were common nesters on the study area, other of these species were absent or surprisingly rare in apparently suitable habitat on the study area.

#### ACKNOWLEDGEMENTS

We extend our sincere thanks to the local observers and Preserve personnel acknowledged in Brogie and Mossman (1983).

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- **Niobrara Valley Preserve, Rt. 1, Johnstown NE 69214. Present address: (MM) Bureau of Endangered Resources, Department of Natural Resources, Box 7921, Madison, WI 53707; (MB) 1120 Main, Wayne, NE 68787.**

## ADDITIONS TO 1982 OCCURRENCE REPORTS

Information on sightings at the North Platte NWR in 1982 provide some additions to the species reported in the Scotts Bluff column, and some expansion of the dates, for both spring and fall reports, and some additions to the state list for the fall report. The North Platte NWR information has been included in the Scotts Bluff column for the last few years. Sherry McCoy was the reporter, and Kevin Brenner, Dan Walsworth, Jim McCole and Mike McCoy were the additional observers.

Spring 1982. The additional species reported were: Common Loon, Ap 16; American White Pelican, Ap 10-MY 5; Ruddy Duck, Ap 10-Je 16; Greater Yellowlegs, Ap 16; Spotted Sandpiper, MY 5-MY 15; Willet, Ap 16; Tree Swallow, Ap 10; White breasted Nuthatch, Mr 5; Eastern Meadowlark, Ap 10. The expanded dates are shown as Mo x — for an earlier date, — Mo x for a later date, and Mo x — Mo x when both are changed: Horned Grebe, Ap 10 Je 3; Eared Grebe, Ap 10-Je 30; Western Grebe Ap 10-Je 30; Double-crested Cormorant, Ap 10; Black crowned Night Heron, MY 5-Je 16; Canada Goose, W ; Wood Duck -Je 30; Green-winged Teal, -Ap 22; Blue-winged Teal, Ap 10 ; Northern Shoveler, -Je 3; Gadwall, Mr 5-Ap 22; American Wigeon, -MY 5; Canvasback, Mr 5-Ap 22; Redhead, Mr 5-Je 3; Common Goldeneye, Mr 20; Bufflehead, Mr 5-; American Coot, Ap 10-Je 30; Long-billed Curlew, MY 1 Je 3; Marbled Godwit, Ap 16-; Baird's Sandpiper, MY 1-; Long-billed Dowitcher, Ap 16-; Franklin's Gull, Ap 16-S; Herring Gull, -Ap 22; Mourning Dove, Mr 20-; Western Kingbird, Ap 16-; American Tree Sparrow, MY 5; Clay-colored Sparrow, MY 1-; Dark-eyed Junco, -MY 30. The total number of species reported for Scotts Bluff is increased to 153.

Fall 1982. The following species are added to the state list: Artic Loon, Sp 18; Eared Grebe, Au 5 Ot 14; Trumpeter Swan, Ot 30; Barrow's Goldeneye, No 5 No 26. Species added to the Scotts Bluff list are: Common Loon, Ot 14; Horned Grebe, Sp 18-Ot 30; American White Pelican, Sp 2 Sp 18; Snow Goose No 1-No 23; Green-winged Teal, Ot 1-No 10; Northern Pintail, Ot 1-No 10; Canvasback, No 10; Common Goldeneye, No 26-W; Hooded Merganser, Ot 30; Common Merganser, Sp 18 Dm 30; Red-breasted Merganser, Ot 14; Ruddy Duck, Sp 18-Ot 14; American Coot, Sp 4-Ot 14; Herring Gull, Ot 14-Dm 15. The expanded dates (shown as described above under Spring) are: Pied-billed Grebe, Au 5-No 10; Western Grebe, Au 5-No 10; Double-crested Cormorant -Ot 14; Wood Duck, -No 10; Northern Shoveler, Sp 2-Ot 30; Gadwall -No 10; American Wigeon, Sp 2-; Redhead, Sp 2-No 10; Ring-necked Duck, Sp 18-; Lesser Scaup, -Ot 30; Bald Eagle, No 10-; Sandhill Crane, Ot 10-No 10; Northern Shrike, Ot 14-; Loggerhead Shrike, -Sp 18; American Tree Sparrow, Ot 5-.

These changes increase the species total for the state to 274, and the Scottsbluff total to 142.

## NOTES

**SANDHILL CRANE TRIP.** About 30 or so went out to the blind on the Mormon Island Crane Meadows before dawn on 2 April. But not enough before dawn to allow the last of the party to see the Sandhill Cranes before they took off from their roost in the river. But all could see in the sky the huge flocks that took off from other sections of the river. Some went back to the blind before the Cranes came in to roost that night and got to see them settle in for the night. Many other birds were seen from the blind and in trips over the surrounding country, but there was no effort to compile a list of what was seen.

**BIRD BANDING RETURNS.** On 28 February 1981 I banded 225 Purple Finches at the home of Melba Wigg, in western Sarpy Co. One of these birds, number 950/50269, was recovered on 20 April 1981 in Yorktown, Saskatchewan, Canada. In May of 1982 (15 months later) number 950/50271 was recovered in Rosewater, Minnesota. I banded an American Goldfinch, number 1580/25459, in my yard on 13 December 1981. On 3 July, 1982 this bird was recovered in Oak River, Manitoba, Canada.

—Ruth Green, 506 W. 31st Avenue, Bellevue, Nebraska 68005

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## TABLE OF CONTENTS

|                                                                       |    |
|-----------------------------------------------------------------------|----|
| The Eighty-second Annual Meeting .....                                | 26 |
| 1982 Nebraska Nesting Survey .....                                    | 26 |
| Select Birding Areas of the Niobrara River Region .....               | 33 |
| A 1903 Birding Expedition in Cherry County, Nebraska .....            | 35 |
| Notes on the Birds of the Lower Niobrara Valley in 1902 .....         | 37 |
| as Recorded by Myron H. Swenk .....                                   |    |
| Spring and Summer Birds of the Niobrara Valley Preserve Area, .....   | 44 |
| Nebraska: An Annotated Checklist .....                                |    |
| Breeding Status of Selected Bird Species in the Niobrara Valley ..... | 51 |
| Preserve Area, Nebraska .....                                         |    |
| Some Birds of Anderson Bridge Wildlife Management Area in .....       | 62 |
| Cherry County, Nebraska .....                                         |    |
| Additions to 1982 Occurrence Reports .....                            | 62 |
| Notes .....                                                           | 63 |

**WHOOPIING CRANES.** The Pierre, S.D., office of the Fish and Wildlife Service monitors Whooping Cranes in their migration. It reported 9 sightings (only one of a single bird) in Nebraska in the fall of 1982. The report includes: "On August 15, 1982, radio transmitters were placed on the legs of six chicks. Two radioed chicks were subsequently lost to wolves, leaving four chicks with transmitters to begin the migration. In addition, the transmitters were still functioning on two yearlings radio-tagged in 1981, for a total of six radio-tagged birds. One of the yearlings died during migration after apparently striking a power line in Texas. Two family groups with radioed young were successfully monitored all the way to Arkansas NWR." One of these two families was 10 miles south of Colume, S.D., 29-30 October; 45 miles north of Burwell, near Dora Lake, Holt Col, 30 October; and 2 miles north of Eureka, Greenwood Co., Kansas 1-2 November. The other was on the south side of Swan Lake, Walworth Co., S.D., 31 October - 1 November; 12 miles south of Ainsworth, Brown Co., 1-2 November; and at Ft. Cobb Reservoir, Caddo Co., Oklahoma, 2-3 November. A marked bird without radio was at Buffer Lake, Saskatchewan, Canada, 20-24 September; 2 miles upstream from Norden Bridge on the Niobrara River, Brown Co., 29-30 October; and near Watonga, Blaine Co., Oklahoma 1 November. Sightings of unmarked birds were: 12 October one in the air 5 miles west of Hastings; and the following, all on 29 October: 3.5 miles east of Bassett; Niobrara River 3 miles west of Carns (the last two in Rock Co.); and 1 mile northeast of Fairfield, Clay Co., Hessinger Lagoon. Two probable, but unconfirmed, sightings, on 31 October, were four birds 7 miles south and 5.5 miles west of Oconto, Dawson Co., and four birds 12 miles south and 4 miles east of Lexington, Gasper Co., over Elwood Reservoir. These may have been the same birds.

9-1983

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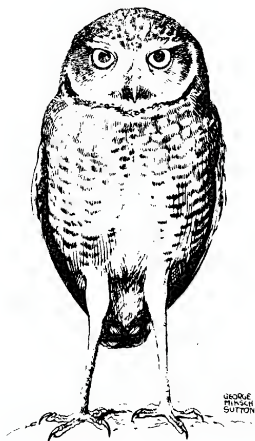
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## TABLE OF CONTENTS ON BACK COVER

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## 1983 (FIFTY-EIGHTH) SPRING OCCURRENCE REPORT

Two hundred eighty-eight species are listed in this report, plus 2 possibles, from 13 locations. The comparable figures for 1982 are 287 from 15 locations; 1981 298 from 12; and 1980 298 from 14.

The symbols used in the tabulation are:

Ja, Fe, Mr, Ap, My, and Je for the months

1 column heading for the Northwest Edge

2 column heading for Lower Southwest Corner.

3 column heading for Otoe Co.

b and B see Lower Southwest Corner

c and C see Lower Southwest Corner

h and H see Lower Southwest Corner

P to indicate a species which is present all the year, although the same individuals may not be present during the whole year, and the number may vary greatly during the year.

- S to indicate a species which remained after 30 June. (Had the tabulator known as well for other columns as he did for Douglas-Sarpy what would be reported this fall, many of the late June dates in other columns probably would have been - S too.)

w see Lower Southwest Corner.

W - to indicate a species which was reported as present before 1 January.

W - S indicates much the same thing as "P", but is used in cases for which the pattern is not always true.

x in columns 1 and 3 to indicate species recorded on the date of the count; used in other columns instead of a date when the specific date in the month was not given.

Two dates indicate the first and last records for the location. The information is presented in a rough west (left) to east (right) order, with locations of about the same longitude presented in a north to south order. The number of species reported, the names of reporters (and of other observers, if known), and any special comments are given below in alphabetical order by locations. In making the species count "Empidonax sp." and the like are not counted if a specific species of that group is also reported.

Adams, Hastings, 124 species, Miss Bernice Welch, reporter. Elsie Helzer, Esther Kennedy, and Dorothy Marsh.

Boone, Albion, 150 species, Wayne J. Mollhoff, reporter. Mr. Mollhoff reported that only one pair of Turkeys was known to have made it through the winter. A Herring/Ring-billed Gull was seen 15 April. He is trying to confirm some pretty reliable reports of a Barred Owl. And this season he got his first personal proof that Eastern Meadowlarks were in the area.

Chase, see Lower Southwest Corner.

Dakota, South Sioux City, 118 species, Bill Huser, reporter.

Dawes, see Northwest Edge.

Douglas (and Sarpy), Omaha and Bellevue, 229 species, Tanya Bray, R.G. Cortelyou, Terry Cox, Ruth C. Green, and Babs and Loren Padelford, reporters, Russ Benedict, Duane Bright, Mrs. Fred Buffett, Mary Denney, Jim Ducey, Betty Grennon, Clyde and Emma Johnson, Sandy Kovanda, Joan Lastovica, Virginia Mason, Cathy Nelson, Bill and Becky Otto, Neal Ratzlaff, B.J. Rose, Alice Rushton, Andy Saunders, Phil Swanson, John Thomas. Six Cattle Egrets were in the flock seen 26 April, more than are usually seen at one time, and the same number were reported 16 May from Beaver Lake, Cass Co., by Gertrude Wood. There were 12 Black-crowned Night-Herons in a flock seen 16 April. An Accipiter was seen in the air at two different sites 16 April, but not well enough to determine the species. About a week before Memorial Day (the specific date was not noted) Jody and Val Kollath saw a Pileated Woodpecker in Fontenelle Forest. They had a bird guide with them, and had the time to check it against the bird, point for point. They reported it to Forest personnel, who understandably were rather skeptical. But Memorial Day weekend Jim and Sandy Kovanda saw it on North Stream Trail, and earlier Forest Director Bob Fluchel had heard the bird calling from east of Cottonwood Trail. The first week of June (again, the exact date was not noted) Mary Lou Stoffel saw one about a mile from Cris' Lake in southeastern Sarpy Co. A small, silent flycatcher seen 5 May was presumed to be an Acadian because it was so green. A Pipit, poorly seen under rainy conditions 17 May near some Horned Larks, was thought to be a Sprague's after a record was listened to later.

— Text continued on page 77

|                             | 1     | So.   | Scotts | 2    | McPh. | Lin-  | Howard |       | Boone | Lan-   | Da-   | Doug- | 3 |
|-----------------------------|-------|-------|--------|------|-------|-------|--------|-------|-------|--------|-------|-------|---|
|                             | Sioux | Bluff |        |      |       | coln  | Hall   | Adams |       | caster | kota  | Sarpy |   |
| Common Loon                 | -     | -     | -      | -    | -     | -     | -      | -     | -     | Ap 17  | -     | Ap 15 | - |
|                             |       |       |        |      |       |       |        |       |       |        |       | Je 23 |   |
| Pied-billed Grebe           | -     | -     | Ap 28  | -    | -     | Ap 24 | -      | Ap 17 | -     | Ap 17  | Ap 4  | Ja 1  | - |
|                             |       |       | Je 29  |      |       |       |        |       |       | Je 27  | My 29 | -     | S |
| Horned Grebe                | -     | -     | -      | -    | -     | My 2  | -      | -     | -     | -      | Ap 16 | Ap 15 | - |
|                             |       |       |        |      |       |       |        |       |       |        | My 3  | Ap 21 |   |
| Eared Grebe                 | x     | Ap 27 | My 13  | -    | Je 22 | Ap 29 | -      | -     | -     | Ap 15  | -     | Ap 15 | - |
|                             |       |       |        |      | Je 30 |       |        |       |       | My 4   |       | My 19 |   |
| Western Grebe               | -     | Ap 15 | Ap 30  | -    | -     | My 5  | -      | -     | -     | -      | -     | -     | - |
|                             |       |       | Je 4   |      |       |       |        |       |       |        |       |       |   |
| American White Pelican      | -     | Ap 17 | Ap 17  | -    | -     | Ap 12 | -      | Ap 24 | -     | -      | Ap 17 | Ap 12 | - |
|                             |       |       | Je 2   | My 3 |       |       |        | Je 12 |       |        |       | My 5  |   |
| Double-crested Cormorant    | x     | Ap 17 | My 21  | -    | -     | Ap 23 | -      | Je 12 | -     | Mr 31  | Ap 17 | Ap 15 | - |
|                             |       |       |        |      |       |       |        |       |       | My 11  |       | Je 22 |   |
| American Bittern            | -     | -     | -      | -    | -     | Ap 24 | -      | -     | Ap 24 | Ap 23  | -     | -     | - |
|                             |       |       |        |      |       |       |        |       | Je 15 | Je 7   |       |       |   |
| Least Bittern               | -     | -     | -      | -    | -     | -     | -      | -     | -     | My 22  | My 22 | -     | - |
| Great Blue Heron            | x     | Mr 28 | Ja 9   | b    | Je 22 | Fe 23 | My 18  | Ap 17 | Fe 26 | Ap 16  | Ap 17 | Ap 3  | - |
|                             |       |       | Je 30  |      | Je 30 |       | Je 12  | Je 30 | Je 30 | My 11  | My 22 | My 23 |   |
| Great Egret                 | -     | -     | -      | -    | -     | My 14 | -      | -     | -     | Ap 19  | Ap 13 | Ap 17 | - |
|                             |       |       |        |      |       |       |        |       |       | Ap 30  |       |       |   |
| Snowy Egret                 | -     | -     | -      | -    | -     | -     | -      | -     | -     | Ap 27  | -     | -     | - |
| Little Blue Heron           | -     | -     | -      | -    | -     | -     | -      | -     | -     | My 19  | -     | Je 26 |   |
|                             |       |       |        |      |       |       |        |       |       | My 21  |       |       |   |
| Cattle Egret                | -     | My 14 | My 14  | -    | -     | Ap 30 | -      | -     | My 7  | My 9   | -     | Ap 26 | - |
|                             |       |       |        |      |       |       |        |       |       | My 20  |       |       |   |
| Green-backed Heron          | -     | -     | -      | -    | -     | My 5  | My 14  | -     | -     | My 4   | -     | My 9  | x |
|                             |       |       |        |      |       |       | Je 26  |       |       | Je 25  |       | Je 30 |   |
| Black-crowned Night-Heron   | -     | My 15 | -      | -    | -     | -     | -      | Ap 17 | -     | Ap 30  | My 22 | Ap 16 | - |
|                             |       |       |        |      |       |       |        | Je 12 |       | Je 16  |       | Ap 21 |   |
| Y-c.Night-Heron             | -     | -     | -      | -    | -     | -     | -      | My 4  | -     | -      | -     | -     | - |
| Tundra Swan                 | -     | -     | -      | -    | Note  | -     | -      | -     | -     | -      | -     | -     | - |
| Greater White-fronted Goose | -     | -     | -      | -    | -     | -     | Ja 16  | Fe 17 | Mr 11 | Mr 13  | -     | Fe 19 | - |
|                             |       |       |        |      |       |       |        | Je 12 |       | Mr 31  |       | Mr 30 |   |
| Snow Goose                  | -     | -     | Mr 26  | -    | -     | Fe 27 | Mr 16  | Mr 12 | Mr 11 | Fe 19  | -     | W -   | - |
|                             |       |       |        |      |       |       |        | Ap 17 |       | Ap 3   |       | My 22 |   |
| Canada Goose                | x     | Ap 2  | W -    | w    | -     | W -   | Ja 30  | Mr 17 | Fe 26 | W -    | -     | W -   | - |
|                             |       |       | My 21  |      |       | Ja 7  | Mr 16  | My 13 | Mr 2  | Je 30  |       | Ap 15 |   |
| Wood Duck                   | -     | Ap 2  | Ap 3   | c    | -     | Mr 30 | -      | -     | Mr 11 | Mr 13  | Ja 29 | Mr 12 | - |
|                             |       |       | My 21  |      |       |       |        |       | Je 30 | Je 25  | My 25 | -     | S |
| Green-winged Teal           | -     | Fe 16 | Mr 14  | w    | -     | Mr 5  | -      | Ap 15 | W -   | Ap 3   | -     | Ap 2  | - |
|                             |       |       | My 4   |      |       |       |        |       | Ap 15 | Je 24  |       | My 7  |   |
| American Black Duck         | -     | -     | -      | -    | -     | -     | -      | -     | -     | Ja 30  | -     | W -   | - |
|                             |       |       |        |      |       |       |        |       |       |        |       | Ja 18 |   |
| Mallard                     | x     | P     | P      | C    | Je 22 | W -   | My 14  | Ap 15 | P     | W -    | Ja 29 | W -   | x |
|                             |       |       |        |      | Je 30 | Ja 7  |        | Je 30 |       | Je 27  | My 3  | -     | S |
| Northern Pintail            | x     | Mr 1  | Mr 10  | w    | -     | Fe 18 | -      | Ap 15 | Fe 26 | Ja 30  | Mr 12 | W -   | - |
|                             |       |       | My 21  |      |       |       |        | Je 5  | Ap 15 | Mr 31  |       | My 1  |   |
| Blue-winged Teal            | x     | Ap 2  | Ap 18  | w    | -     | Fe 14 | Mr 16  | Mr 12 | Ap 15 | Mr 31  | Mr 31 | Fe 21 | - |
|                             |       |       | My 21  |      |       |       |        | Je 30 | Je 30 | Je 30  | My 25 | -     | S |

|                        | 1     | So.   | Scotts | 2 | McPh. | Lin-  | Howard |       | Boone | Lan-   | Da-   | Doug- | 3 |
|------------------------|-------|-------|--------|---|-------|-------|--------|-------|-------|--------|-------|-------|---|
|                        | Sioux | Bluff |        |   |       | coln  | Hall   | Adams |       | caster | kota  | Sarpy |   |
| Cinnamon Teal          | -     | -     | -      | - | -     | My 21 | -      | -     | -     | -      | -     | -     | - |
| Northern Shoveler      | x     | Ap 10 | Mr 11  | - | -     | Mr 11 | My 25  | -     | Ap 15 | Mr 30  | Mr 12 | Mr 2  | - |
|                        |       |       | My 21  |   |       |       |        |       |       | Je 7   | My 3  | My 22 |   |
| Gadwall                | x     | Mr 28 | Mr 11  | - | -     | Mr 23 | -      | Je 15 | Ap 15 | Fe 27  | Mr 12 | Fe 20 | - |
|                        |       |       | My 4   |   |       |       |        |       |       | My 27  | Ap 21 | My 7  |   |
| American Wigeon        | -     | Mr 3  | Mr 10  | - | -     | Fe 27 | -      | Ap 15 | W -   | Fe 20  | Mr 12 | W -   | - |
|                        |       | My 2  | My 21  |   |       |       |        | Je 5  | Ap 15 | My 9   | Ap 17 | My 3  |   |
| Canvasback             | x     | Ap 11 | -      | W | Je 22 | Ap 2  | -      | -     | Mr 13 | Fe 27  | Mr 12 | Fe 23 | - |
|                        |       | Ap 15 |        |   | Je 30 |       |        |       | Ap 15 | My 28  |       | Ap 6  |   |
| Redhead                | x     | Mr 1  | Fe 21  | W | Je 22 | Fe 14 | -      | Ap 15 | Mr 12 | Fe 27  | Mr 12 | Fe 19 | - |
|                        |       | My 10 | Mr 31  |   | Je 30 |       |        |       | Ap 23 | Ap 19  | My 3  |       |   |
| Ring-necked Duck       | -     | Mr 3  | -      | - | -     | Fe 27 | -      | -     | Fe 27 | Mr 12  | Mr 12 | Fe 22 | - |
|                        |       | Mr 15 |        |   |       |       |        |       | Ap 15 | Ap 23  | My 3  | My 25 |   |
| Greater Scaup          | -     | -     | -      | - | -     | -     | -      | -     | -     | Fe 20  | -     | Fe 22 | - |
|                        |       |       |        |   |       |       |        |       |       |        |       | Mr 9  |   |
| Lesser Scaup           | -     | Mr 28 | Mr 14  | W | -     | Fe 27 | -      | Ap 15 | Mr 13 | Fe 27  | Mr 12 | Fe 28 | - |
|                        |       | Ap 25 | My 4   |   |       |       |        | My 7  | Ap 15 | My 11  | My 3  | My 13 |   |
| Common Goldeneye       | -     | -     | -      | - | -     | -     | Mr 12  | -     | Mr 13 | W -    | Mr 12 | Fe 19 | - |
|                        |       |       |        |   |       |       |        |       |       | Ap 15  |       | My 3  |   |
| Bufflehead             | -     | Ap 20 | Mr 11  | W | -     | Mr 11 | -      | Ap 15 | Mr 13 | Fe 27  | Mr 12 | Ja 30 | - |
|                        |       |       |        |   |       |       |        |       | Ap 15 | Ap 30  | Ap 21 | Mr 20 |   |
| Hooded Merganser       | -     | -     | -      | - | -     | -     | -      | -     | -     | Je 7   | -     | Ja 18 | - |
|                        |       |       |        |   |       |       |        |       |       |        |       | My 19 |   |
| Common Merganser       | -     | -     | Fe 21  | W | -     | -     | -      | -     | Fe 11 | Ja 30  | Mr 12 | Fe 19 | - |
|                        |       |       | Mr 31  |   |       |       |        |       | Ap 15 | Ap 20  | Ap 17 | My 3  |   |
| Red-breasted Merganser | -     | -     | Ap 7   | - | -     | -     | -      | -     | -     | Ap 7   | Mr 31 | Mr 27 | - |
|                        |       |       |        |   |       |       |        |       |       | Ap 24  | Ap 19 | Ap 21 |   |
| Ruddy Duck             | x     | Ap 20 | -      | - | Je 22 | -     | -      | Ap 15 | Ap 15 | Fe 27  | Ap 16 | Mr 27 | - |
|                        |       |       |        |   | Je 30 |       |        | Ap 17 |       | Je 27  | My 3  | Je 11 |   |
| Turkey Vulture         | -     | -     | Ap 18  | C | -     | My 24 | My 14  | -     | -     | -      | My 22 | Ap 8  | - |
|                        |       |       | Je 30  |   |       | My 25 |        |       |       |        |       | Je 23 |   |
| Osprey                 | -     | -     | Mr 6   | - | -     | Ap 23 | -      | -     | -     | -      | -     | Ap 15 | - |
|                        |       |       | Ap 2   |   |       |       |        |       |       |        |       | My 14 |   |
| Bald Eagle             | -     | Ap 6  | W -    | W | -     | W -   | W -    | -     | W -   | Fe 20  | -     | W -   | - |
|                        |       |       | Fe 13  |   |       | Mr 13 | Ap 12  |       | Mr 13 |        |       | Ap 10 |   |
| Northern Harrier       | -     | -     | W -    | - | -     | Je 27 | W -    | Ap 15 | W -   | W -    | Ap 17 | Fe 19 | - |
|                        |       |       | My 21  |   |       | My 12 |        | Ap 30 | Ap 10 |        |       | Mr 2  |   |
| Sharp-shinned Hawk     | -     | -     | -      | - | -     | -     | Mr 27  | -     | W -   | Ja 22  | -     | My 4  | - |
|                        |       |       |        |   |       |       |        |       | Ap 15 | Ap 14  |       | My 19 |   |
| Cooper's Hawk          | -     | -     | -      | - | -     | -     | -      | -     | Ap 15 | W -    | -     | -     | - |
|                        |       |       |        |   |       |       |        |       |       | Ja 8   |       |       |   |
| Northern Goshawk       | -     | -     | -      | - | -     | -     | -      | -     | W -   | W -    | -     | -     | - |
|                        |       |       |        |   |       |       |        |       | Fe 26 | Ja 30  |       |       |   |
| Red-shouldered Hawk    | -     | -     | -      | - | -     | -     | -      | -     | -     | -      | -     | Ap 24 | - |
|                        |       |       |        |   |       |       |        |       |       |        |       | My 9  |   |
| Broad-winged Hawk      | -     | -     | -      | - | -     | -     | -      | -     | -     | -      | -     | Ap 26 | - |
|                        |       |       |        |   |       |       |        |       |       |        |       | Je 26 |   |
| Swainson's Hawk        | x     | Ap 18 | Ap 5   | - | Je 22 | Fe 18 | -      | Ap 29 | Ap 30 | My 13  | -     | Ap 10 | - |
|                        |       |       |        |   | Je 30 |       |        | Je 30 | Je 30 |        |       | My 26 |   |
| Red-tailed Hawk        | x     | Mr 30 | Mr 31  | C | -     | Ja 7  | -      | Ap 15 | P     | W -    | Ap 10 | P     | - |
|                        |       |       | My 21  |   |       |       |        |       |       | My 6   |       |       |   |

|                         | 1       | So.   | Scotts | 2     | McPh. | Lin-  | Howard |       | Boone  | Lan-  | Da-   | Doug- | 3 |
|-------------------------|---------|-------|--------|-------|-------|-------|--------|-------|--------|-------|-------|-------|---|
|                         | Sioux   | Eluff |        |       | coln  | Hall  | Adams  |       | caster | kota  |       | Sarpy |   |
| Ferruginous Hawk        | - Ap 10 | Fe 8  | -      | -     | Ja 7  | -     | -      | -     | -      | -     | -     | -     | - |
|                         | Mr 11   |       |        |       |       |       |        |       |        |       |       |       |   |
| Rough-legged Hawk       | - Mr 20 | Fe 21 | -      | -     | W -   | W -   | -      | Fe 26 | -      | -     | -     | Ap 16 | - |
|                         | Mr 11   |       |        |       | Ja 11 | My 12 |        |       |        |       |       |       |   |
| Golden Eagle            | x -     | Ja 15 | -      | -     | -     | Ap 24 | -      | W -   | -      | -     | -     | -     | - |
|                         |         |       |        |       |       | Ap 25 |        | Mr 13 |        |       |       |       |   |
| American Kestrel        | x -     | P     | C      | -     | P     | P     | P      | P     | W -    | Ap 10 | P     | x     |   |
|                         |         |       |        |       |       |       |        |       | My 21  | Ap 17 |       |       |   |
| Merlin                  | -       | -     | -      | -     | Ja 7  | -     | -      | -     | Mr 27  | -     | -     | -     | - |
| Peregrine Falc.         | -       | -     | -      | -     | -     | -     | -      | My 8  | -      | -     | -     | -     | - |
| Prairie Falcon          | - Mr 20 | W -   | -      | -     | -     | -     | -      | Ja 8  | -      | -     | -     | -     | - |
|                         | Mr 23   |       |        |       |       |       |        | Fe 11 |        |       |       |       |   |
| Gray Partridge          | -       | -     | -      | -     | -     | -     | -      | P     | -      | -     | -     | -     | - |
| Ring-necked Pheasant    | x P     | P     | b      | Je 22 | P     | P     | P      | P     | P      | Ja 1  | P     | x     |   |
|                         |         |       |        | Je 30 |       |       |        |       |        | My 25 |       |       |   |
| Greater Prairie-Chicken | -       | -     | -      | -     | Je 23 | P     | -      | -     | P      | -     | -     | -     | - |
|                         |         |       |        |       | Je 30 |       |        |       |        |       |       |       |   |
| Sharp-tailed Gr.x       | P       | -     | -      | P     | -     | -     | -      | P     | -      | -     | -     | -     | - |
| Wild Turkey             | x P     | P     | -      | -     | P     | P     | -      | P     | -      | -     | -     | P     | - |
| No. Bob-white           | - P     | P     | b      | -     | P     | P     | P      | P     | P      | -     | -     | P     | x |
| Virginia Rail           | -       | -     | -      | -     | -     | -     | -      | -     | Je 14  | My 11 | -     | -     | - |
|                         |         |       |        |       |       |       |        |       | My 18  |       |       |       |   |
| Sora                    | -       | -     | -      | -     | -     | -     | -      | My 7  | Ap 27  | My 19 | My 3  | -     | - |
|                         |         |       |        |       |       |       |        | My 22 | Je 6   | My 19 |       |       |   |
| American Coot           | x Ap 11 | Ap 19 | -      | Je 22 | Mr 11 | My 14 | Ap 13  | Mr 13 | Fe 20  | Ap 5  | Mr 15 | -     | - |
|                         | My 21   |       |        | Je 30 |       |       | Je 30  | Ap 15 | Je 27  | My 23 | -     | S     |   |
| Sandhill Crane          | - Ap 2  | -     | -      | -     | Ja 7  | Mr 21 | Fe 18  | Mr 14 | -      | -     | -     | -     | - |
|                         |         |       |        |       | My 6  | Ap 13 | Ap 19  | Ap 15 |        |       |       |       |   |
| Black-bellied Pl-       | -       | -     | -      | -     | -     | -     | My 7   | -     | -      | -     | -     | -     | - |
| Lesser Golden-Plover    | -       | -     | -      | -     | -     | -     | Je 5   | -     | My 5   | -     | -     | -     | - |
|                         |         |       |        |       |       |       |        |       | My 6   |       |       |       |   |
| Semipalmated Plover     | -       | -     | -      | -     | -     | -     | -      | -     | My 6   | -     | Ap 21 | -     | - |
|                         |         |       |        |       |       |       |        |       | My 24  |       | My 10 |       |   |
| Piping Plover           | -       | -     | -      | -     | -     | -     | -      | -     | -      | -     | Ap 25 | -     | - |
|                         |         |       |        |       |       |       |        |       |        |       | Je 23 |       |   |
| Killdeer                | x Fe 26 | Ja 3  | b      | Je 21 | Fe 27 | Mr 17 | Ap 15  | Fe 26 | Fe 27  | Ap 17 | Fe 19 | x     | - |
|                         | Je 30   |       |        | Je 30 |       | Je 29 | Je 30  | Je 30 | Je 29  | My 25 | -     | S     |   |
| American Avocet         | x Ap 20 | Ap 17 | -      | -     | Ap 14 | -     | Ap 24  | -     | -      | -     | My 7  | -     | - |
|                         | Je 29   |       |        |       |       |       | Je 12  |       |        |       |       |       |   |
| Greater Yellowlegs      | - Ap 16 | Ap 28 | -      | -     | Mr 14 | -     | -      | -     | Ap 19  | -     | Ap 21 | -     | - |
|                         |         |       |        |       |       |       |        |       | My 6   |       | My 9  |       |   |
| Lesser Yellowlegs       | - Ap 26 | Ap 28 | -      | -     | Ap 6  | -     | -      | My 7  | Ap 17  | My 12 | Ap 21 | -     | - |
|                         |         |       |        |       |       |       |        | My 8  | My 22  |       | My 14 |       |   |
| Solitary Sandpiper      | -       | -     | -      | -     | -     | -     | -      | -     | -      | -     | My 5  | -     | - |
|                         |         |       |        |       |       |       |        |       |        |       | My 10 |       |   |
| Willet                  | x My 1  | -     | -      | -     | Ap 29 | -     | -      | Ap 30 | -      | My 15 | Ap 21 | -     | - |
|                         |         |       |        |       |       |       |        |       |        | My 3  |       |       |   |
| Spotted Sandpiper       | -       | -     | My 14  | -     | -     | -     | -      | My 20 | My 9   | My 22 | My 1  | -     | - |
|                         |         |       | My 21  |       |       |       |        | Je 30 | Je 7   | My 23 | Je 23 |       |   |

|                        | 1       | So. Scotts | 2     | McPh. | Lin-  | Howard |       | Boone | Lan-   | Da-   | Doug- | 3 |
|------------------------|---------|------------|-------|-------|-------|--------|-------|-------|--------|-------|-------|---|
|                        | Sioux   | Bluff      |       |       | coln  | Hall   | Adams |       | caster | kota  | Sarry |   |
| Upland Sandpiper       | x My 26 | My 21      | -     | Je 29 | My 14 | My 14  | -     | Je 9  | My 9   | -     | My 17 | - |
|                        |         | Je 4       |       | Je 30 |       | My 28  |       | Je 30 | Je 25  |       |       |   |
| Long-billed Curlew     | x My 13 | -          | -     | Je 23 | Mr 3  | -      | -     | Mr 26 | -      | -     | -     | - |
|                        |         |            |       | Je 30 |       |        |       |       |        |       |       |   |
| Hudsonian Godw.        | -       | -          | -     | -     | -     | -      | -     | -     | My 24  | -     | My 7  | - |
| Marbled Godwit         | -       | -          | -     | -     | Ap 22 | -      | -     | -     | My 20  | -     | My 3  | - |
|                        |         |            |       |       | My 21 |        |       |       | My 21  |       |       |   |
| Ruddy Turnstone        | -       | -          | -     | -     | -     | -      | -     | -     | My 24  | -     | My 30 | - |
|                        |         |            |       |       |       |        |       |       |        |       | Je 4  |   |
| Semipalmated Sandpiper | -       | -          | -     | -     | -     | -      | -     | My 7  | My 5   | -     | Ap 26 | - |
|                        |         |            |       |       |       |        |       | My 24 | My 24  |       | My 30 |   |
| Least Sandpiper        | -       | -          | -     | -     | -     | My 14  | -     | My 7  | Mr 16  | -     | My 10 | - |
|                        |         |            |       |       |       |        |       | My 20 | My 20  |       |       |   |
| White-rumped Sandpiper | -       | -          | -     | -     | Ap 23 | -      | -     | My 20 | My 5   | -     | My 7  | - |
|                        |         |            |       |       |       |        |       | My 24 | My 24  |       | My 19 |   |
| Baird's Sandpiper      | -       | -          | Ap 27 | -     | -     | -      | -     | -     | Ap 15  | -     | Ap 15 | - |
|                        |         | My 10      |       |       |       |        |       |       | My 11  |       | My 9  |   |
| Pectoral Sandpiper     | -       | -          | -     | -     | My 2  | -      | -     | -     | My 5   | -     | Ap 17 | - |
|                        |         |            |       |       |       |        |       |       | My 24  |       | My 14 |   |
| Dunlin                 | -       | -          | -     | -     | -     | -      | -     | -     | My 24  | -     | My 10 | - |
|                        |         |            |       |       |       |        |       |       |        |       | My 25 |   |
| Stilt Sandpiper        | -       | -          | -     | -     | -     | -      | -     | My 20 | My 16  | -     | My 10 | - |
|                        |         |            |       |       |       |        |       |       |        |       | My 19 |   |
| Sh-b. Dowitcher        | -       | -          | -     | -     | -     | -      | My 7  | -     | -      | -     | -     | - |
| Long-billed Dowitcher  | -       | -          | Ap 28 | -     | My 6  | -      | -     | My 7  | My 5   | -     | My 19 | - |
|                        |         |            | My 11 |       |       |        |       |       |        |       | My 20 |   |
| Common Snipe           | -       | Ap 22      | -     | -     | Ap 25 | -      | -     | W -   | My 5   | -     | -     | - |
|                        |         |            |       |       |       |        |       | Ja 8  |        |       |       |   |
| American Woodcock      | -       | -          | -     | -     | -     | -      | -     | -     | Mr 20  | -     | Ap 16 | - |
|                        |         |            |       |       |       |        |       |       | Ap 24  |       | Je 27 |   |
| Wilson's Phalarope     | x Ap 21 | My 15      | -     | -     | Ap 2  | -      | Ap 17 | My 8  | Ap 17  | My 10 | Ap 16 | - |
|                        |         | My 21      |       |       |       |        | Je 12 | Je 25 | Je 25  |       | My 10 |   |
| Franklin's Gull        | -       | -          | My 9  | -     | Ap 23 | Ap 16  | Ap 17 | Ap 12 | Fe 27  | -     | Mr 2  | - |
|                        |         |            |       |       |       | My 6   | Je 30 | Ap 30 | Ap 17  |       | My 10 |   |
| Bonaparte's Gull       | -       | -          | -     | -     | -     | -      | -     | -     | Ap 15  | -     | Ap 21 | - |
|                        |         |            |       |       |       |        |       |       | My 4   |       | Ap 25 |   |
| Ring-billed Gull       | -       | Mr 15      | Mr 11 | -     | Fe 27 | -      | My 4  | Note  | Fe 20  | Mr 12 | Fe 27 | - |
|                        |         | My 21      |       |       |       |        | Je 5  |       | My 11  |       | Je 22 |   |
| Herring Gull           | -       | -          | -     | -     | -     | -      | -     | -     | Mr 12  | -     | My 7  | - |
|                        |         |            |       |       |       |        |       |       | Mr 27  |       | My 10 |   |
| Black-legged Kittiwake | -       | -          | -     | -     | -     | -      | -     | -     | -      | -     | Ap 23 | - |
|                        |         |            |       |       |       |        |       |       |        |       | Ap 24 |   |
| Caspian Tern           | -       | -          | -     | -     | -     | -      | -     | -     | -      | -     | My 7  | - |
|                        |         |            |       |       |       |        |       |       |        |       | My 19 |   |
| Common Tern            | -       | -          | -     | -     | -     | My 14  | -     | -     | Je 7   | -     | -     | - |
| Forster's/ Common Tern | -       | My 20      | -     | -     | -     | -      | -     | -     | -      | -     | Ap 26 | - |
|                        |         |            |       |       |       |        |       |       |        |       | My 10 |   |
| Forster's Tern         | x       | -          | -     | -     | My 14 | -      | -     | -     | Ap 15  | My 3  | My 3  | - |
|                        |         |            |       |       |       |        |       |       | My 4   |       | My 7  |   |

|                           | 1       | So.             | Scott's          | 2                | McPh.          | Lin-             | Howard         |                | Boone          | Lan-           | Ra-            | Doug-          | 3               |
|---------------------------|---------|-----------------|------------------|------------------|----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
|                           | SiouX   | Bluff           |                  |                  | coln           | Hall             | Adams          |                |                | caster         | kota           | Sarpy          |                 |
| Least Tern                | -       | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | -              | Je 9 -<br>Je 23 |
| Black Tern                | x       | -               | My 21<br>Je 4    | - Je 22<br>Je 30 | My 14          | -                | My 7<br>Je 30  | My 20<br>Je 30 | My 4<br>Je 7   | My 22<br>Je 30 | Ap 30<br>Je 30 | My 30          | -               |
| Rock Dove                 | -       | P               | b                | -                | P              | P                | P              | P              | P              | P              | P              | P              | -               |
| Mourning Dove             | x Ap 2  | Fe 12<br>Je 30  | b Je 19<br>Je 30 | Mr 29<br>Je 30   | W -<br>Je 30   | W -<br>Je 30     | Ap 6<br>- S    | W -<br>Je 30   | W -<br>Je 30   | My 15<br>Je 30 | W -<br>- S     | My 30<br>- S   | -               |
| Black-billed Cuckoo       | -       | -               | -                | -                | -              | -                | -              | Je 8<br>Je 30  | My 25<br>Je 12 | My 22<br>Je 25 | My 25<br>Je 22 | My 25<br>Je 22 | -               |
| Cuckoo sp.                | -       | -               | Je 22            | -                | -              | -                | -              | -              | -              | My 21          | Ap 28          | -              | -               |
| Yellow-billed Cuckoo      | -       | Je 28           | -                | c Je 21<br>Je 30 | Je 30          | 3 My 22<br>Je 25 | My 9<br>Je 30  | Je 8<br>Je 30  | My 20<br>Je 29 | Je 15<br>Je 30 | My 10<br>- S   | -              | -               |
| Common Barn-Owl           | -       | -               | My 2<br>Je 29    | -                | -              | P                | Ap 24          | -              | -              | -              | -              | Je 29          | -               |
| E. Screech-Owl            | -       | -               | P                | -                | -              | P                | P              | P              | P              | -              | -              | P              | -               |
| Gr. Horned Owl            | -       | P               | P                | -                | P              | P                | P              | P              | P              | P              | P              | P              | x               |
| Snovy Owl                 | -       | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | Mr 8           | -               |
| Burrowing Owl             | x Ap 12 | Ap 27<br>Je 28  | h                | -                | -              | Je 20<br>Je 28   | My 15<br>Je 30 | -              | -              | -              | -              | -              | -               |
| Barred Owl                | -       | -               | -                | -                | -              | -                | -              | Note           | P              | -              | -              | P x            | -               |
| Long-eared Owl            | -       | -               | My 21            | -                | -              | -                | -              | Fe 11<br>Mr 13 | Fe 20<br>Ap 3  | -              | -              | -              | -               |
| Short-eared Owl           | - Mr 30 | -               | -                | -                | -              | -                | -              | Fe 11          | -              | -              | -              | -              | -               |
| Common Nighthawk          | - My 27 | My 31<br>Je 30  | - Je 22<br>Je 30 | Je 16            | My 28<br>Je 29 | Ap 11<br>Je 30   | Je 11<br>Je 30 | My 11<br>Je 24 | My 31<br>Je 30 | My 9 -<br>S    | -              | -              | -               |
| Com. Poorwill             | -       | -               | Je ?             | -                | -              | -                | -              | -              | -              | -              | -              | -              | -               |
| Chk-will's-wid.           | -       | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | My 17 x        | -               |
| Whip-poor-will            | -       | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | Ap 22<br>My 19 | -               |
| Chimney Swift             | - My 10 | My 9 b<br>Je 30 | -                | My 11            | Ap 28<br>Je 30 | Ap 24<br>Je 30   | Ap 30<br>Je 30 | Ap 17<br>Je 29 | My 3<br>Je 30  | Ap 27 x<br>S   | -              | -              | -               |
| Wh.-th. Swift             | -       | My 21           | -                | -                | -              | -                | -              | -              | -              | -              | -              | My 5<br>Je 15  | -               |
| Ruby-throated Hummingbird | - My 20 | -               | -                | -                | -              | P                | My 14          | -              | -              | -              | -              | -              | -               |
| Br.-t. Humming.           | - Je 15 | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | -              | -               |
| Belted Kingfisher         | -       | -               | P                | -                | P              | W -<br>Je 15     | Ap 15          | P              | P              | Ap 30          | W -<br>S       | -              | -               |
| Lewis' Woodprkr.          | x       | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | -              | -               |
| Red-headed Woodpecker     | x My 10 | My 15 b<br>Je 4 | -                | My 12            | My 6<br>Je 30  | My 4<br>Je 30    | My 7<br>Je 30  | My 6<br>Je 29  | Je 30          | W -<br>S       | x              | -              | -               |
| Red-bell. Wdp.            | -       | -               | -                | -                | Ja 1           | P                | -              | P              | P              | P              | P              | P x            | -               |
| Yellow-bellied Sapsucker  | -       | -               | -                | -                | -              | -                | -              | Ap 14<br>Ap 15 | Ap 24          | -              | Ja 20<br>Ap 21 | -              | -               |
| Downy Woodprkr.           | x P     | P               | -                | -                | P              | P                | P              | P              | P              | P              | P              | P x            | -               |
| Hairy Woodprkr.           | x P     | P               | -                | -                | P              | P                | P              | P              | P              | P              | P              | P              | -               |
| No. Flicker               | x P     | P               | -                | -                | P              | P                | P              | P              | P              | P              | P              | P x            | -               |
| Pileated Woodpecker       | -       | -               | -                | -                | -              | -                | -              | -              | -              | -              | -              | My x<br>Je x   | -               |

|                               | 1     | So.   | Scotts | 2 | McPh. | Lin-  | Howard |       | Boone | Lan-   | Da-   | Doug- | 3 |
|-------------------------------|-------|-------|--------|---|-------|-------|--------|-------|-------|--------|-------|-------|---|
|                               | Sioux | Bluff |        |   |       | coln  | Hall   | Adams |       | caster | kota  | Sarpy |   |
| Olive-sided Fl.               | -     | -     | -      | - | -     | -     | -      | -     | -     | My 21  | -     | Je 6  | - |
| Western Wood-Pewee            | x     | My 15 | My 21  | - | -     | -     | -      | -     | -     | -      | -     | -     | - |
|                               |       |       | Je 25  |   |       |       |        |       |       |        |       |       |   |
| Eastern Wood-Pewee            | -     | -     | -      | - | -     | -     | -      | -     | -     | My 16  | My 18 | My 6  | x |
|                               |       |       |        |   |       |       |        |       |       | Je 25  | My 22 | Je 30 |   |
| Acadian Flycatcher            | -     | -     | -      | - | -     | -     | -      | -     | -     | My 19  | -     | Note  | - |
|                               |       |       |        |   |       |       |        |       |       | My 21  |       |       |   |
| Alder Flycatcher              | -     | -     | -      | - | -     | -     | My 14  | -     | -     | -      | -     | -     | - |
| Willow Flycatcher             | -     | -     | -      | c | -     | -     | -      | -     | Je 8  | My 24  | Je 8  | -     | - |
|                               |       |       |        |   |       |       |        |       | Je 30 | Je 6   |       |       |   |
| Least Flycatcher              | -     | -     | My 21  | - | -     | My 6  | -      | My 4  | My 8  | My 3   | My 9  | My 2  | - |
|                               |       |       |        |   |       |       |        | Je 2  | My 29 |        | Je 1  |       |   |
| Empidonax sp.                 | -     | -     | -      | - | -     | My 14 | -      | -     | -     | My 9   | My 12 | My 5  | - |
|                               |       |       |        |   |       |       |        |       |       | My 29  | My 10 |       |   |
| Eastern Phoebe                | -     | -     | -      | - | -     | -     | My 14  | Ap 24 | Ap 15 | Mr 20  | Ap 17 | Ap 17 | - |
|                               |       |       |        |   |       |       | Je 16  | Je 30 | Je 5  |        | My 7  |       |   |
| Say's Phoebe                  | x     | Ap 17 | Ap 18  | - | -     | Ap 10 | -      | -     | -     | -      | -     | -     | - |
|                               |       |       | My 14  |   |       |       |        |       |       |        |       |       |   |
| Great Crested Flycatcher      | x     | Je 27 | -      | - | -     | -     | My 16  | My 13 | -     | My 15  | My 22 | My 5  | x |
|                               |       | - S   |        |   |       |       | Je 26  | Je 30 |       | Je 26  | - S   |       |   |
| Cassin's Kingb.               | x     | -     | -      | - | -     | -     | -      | -     | -     | -      | -     | -     | - |
| Western Kingbird              | x     | My 5  | My 9   | b | Je 19 | My 10 | My 16  | My 4  | Ap 26 | My 2   | Je 6  | My 15 | - |
|                               |       |       | Je 30  |   | Je 30 |       | Je 28  | Je 30 | Je 30 | Je 24  | Je 30 | - S   |   |
| Eastern Kingbird              | x     | My 19 | My 14  | b | Je 19 | My 12 | My 6   | My 11 | Ap 28 | My 5   | My 18 | My 3  | x |
|                               |       |       | Je 30  |   | Je 30 |       | Je 30  | Je 30 | Je 30 | Je 29  | Je 30 | - S   |   |
| Scissor-tail. F.              | -     | -     | -      | - | -     | -     | -      | -     | -     | My 5   | -     | My 15 | - |
| Horned Lark                   | x     | P     | P      | b | Je 19 | P     | P      | Mr 13 | P     | P      | P     | P     | x |
|                               |       |       |        |   | Je 30 |       |        | Je 30 |       |        |       |       |   |
| Purple Martin                 | -     | -     | -      | - | -     | Je 2  | My 18  | Ap 23 | Ap 12 | Ap 17  | My 15 | Ap 1  | x |
|                               |       |       |        |   |       |       | Je 30  | Je 30 | Je 30 | Je 30  | Je 30 | - S   |   |
| Tree Swallow                  | -     | -     | -      | - | -     | -     | -      | -     | My 5  | Ap 17  | Ap 30 | Ap 17 | - |
|                               |       |       |        |   |       |       |        |       | Je 24 | Je 11  |       |       |   |
| Violet-green S.               | x     | Je 1  | -      | - | -     | -     | -      | -     | -     | -      | -     | -     | - |
| Northern Rough-winged Swallow | x     | Ap 27 | My 14  | h | -     | Ap 23 | My 15  | Je 19 | Ap 30 | Ap 16  | My 18 | Ap 17 | - |
|                               |       |       | Je 14  |   |       |       | Je 21  | Je 30 | Je 30 | Je 27  | Je 30 | - S   |   |
| Bank Swallow                  | -     | -     | -      | - | -     | My 14 | My 12  | Je 19 | -     | My 9   | Je 3  | My 7  | - |
|                               |       |       |        |   |       |       | Je 23  | Je 30 |       | My 22  | Je 30 | Je 27 |   |
| Cliff Swallow                 | x     | Ap 26 | My 6   | - | -     | My 14 | My 12  | -     | Je 10 | My 9   | My 18 | My 7  | - |
|                               |       |       | Je 30  |   |       |       | Je 20  |       | Je 30 | My 27  | Je 30 | - S   |   |
| Barn Swallow                  | x     | Ap 26 | Ap 26  | b | Je 19 | My 1  | Ap 24  | My 5  | Ap 30 | Ap 17  | Ap 30 | Ap 28 | x |
|                               |       |       | Je 30  |   | Je 30 |       | Je 30  | Je 30 | Je 30 | Je 30  | Je 30 | - S   |   |
| Blue Jay                      | -     | P     | P      | b | -     | P     | P      | P     | P     | P      | P     | P     | x |
| Pinyon Jay                    | x     | -     | W      | - | -     | -     | -      | -     | -     | -      | -     | -     | - |
|                               |       |       | My 20  |   |       |       |        |       |       |        |       |       |   |
| Blk-billed Mag.               | x     | P     | P      | - | -     | P     | P      | P     | P     | -      | -     | -     | - |
| American Crow                 | x     | P     | P      | b | -     | P     | P      | P     | P     | P      | P     | P     | x |
| Common Raven                  | -     | -     | Note   | - | -     | -     | -      | -     | -     | -      | -     | -     | - |
| B-c Chickadee                 | x     | P     | P      | - | -     | P     | P      | P     | P     | P      | P     | P     | x |

|                         | 1     | SO.   | Scotts | 2 | McPh. | Lin-  | Howard |       | Boone | Lan-   | Da-   | Doug- | 3   |
|-------------------------|-------|-------|--------|---|-------|-------|--------|-------|-------|--------|-------|-------|-----|
|                         | Sioux | Bluff |        |   |       | coln  | Hall   | Adams |       | caster | kota  | Sarpy |     |
| Tufted Titmose.         | -     | -     | -      | - | -     | -     | -      | -     | -     | -      | -     | P     | x   |
| Red-breasted Nuthatch   | x     | -     | W -    | - | -     | -     | W -    | Mr 12 | Fe 15 | Ap 23  | -     | W -   | -   |
|                         |       |       | My 21  |   |       |       | Ap 16  |       | Ap 3  |        |       | My 24 |     |
| White-breasted Nuthatch | x     | -     | Fe 8   | - | -     | Mr 31 | W -    | -     | W -   | P      | P     | P     | x   |
|                         |       |       |        |   |       |       | Ap 16  |       | Ap 15 |        |       |       |     |
| Pygmy Nuthatch          | x     | Je 5  | -      | - | -     | -     | -      | -     | -     | -      | -     | -     | -   |
| Brown Creeper           | x     | -     | W -    | - | -     | My 23 | W -    | Mr 5  | Fe 11 | W -    | -     | W -   | -   |
|                         |       |       | Ap 7   |   |       |       | Ap 17  | Ap 28 | Ap 15 | Ap 24  |       | Je 3  |     |
| Rock Wren               | x     | Ap 25 | -      | - | -     | -     | -      | -     | -     | -      | -     | -     | -   |
| Carolina Wren           | -     | -     | -      | - | -     | -     | -      | -     | -     | Fe 2   | -     | Fe 1  | -   |
|                         |       |       |        |   |       |       |        |       |       |        |       | My 15 |     |
| House Wren              | x     | My 10 | My 9   | - | -     | Ap 6  | Ap 28  | Ap 26 | My 7  | Ap 24  | Ap 30 | Ap 26 | x   |
|                         |       |       | Je 30  |   |       |       | Je 30  | Je 30 | Je 30 | Je 27  | Je 30 | - S   |     |
| Winter Wren             | -     | -     | -      | - | -     | -     | -      | -     | Ap 15 | Ja 30  | -     | W -   | -   |
|                         |       |       |        |   |       |       |        |       | Ap 10 |        | Ap 24 |       |     |
| Sedge Wren              | -     | -     | -      | - | -     | -     | -      | -     | -     | Je 25  | -     | -     | x   |
| Marsh Wren              | x     | My 23 | -      | - | -     | -     | -      | -     | -     | Ap 30  | -     | My 5  | -   |
|                         |       |       |        |   |       |       |        |       |       |        |       | My 11 |     |
| Golden-c. King.         | -     | -     | -      | - | -     | Ja 25 | Mr 30  | Fe 28 | W -   | W -    | Ap 17 | W -   | -   |
|                         |       |       |        |   |       |       | Ap 6   | Ap 17 | Ap 15 | Ap 24  |       | My 5  |     |
| Ruby-cr Kinglet         | -     | -     | -      | - | -     | -     | -      | Mr 12 | -     | Ap 2   | Ap 17 | Mr 13 | -   |
|                         |       |       |        |   |       |       |        | Ap 24 |       | My 3   | My 19 | My 19 |     |
| Blue-gray Gnatcatcher   | -     | -     | -      | - | -     | -     | -      | -     | -     | -      | -     | My 3  | -   |
|                         |       |       |        |   |       |       |        |       |       |        |       | Je 22 |     |
| Eastern Bluebird        | -     | -     | -      | - | Note  | W -   | Je 6   | My 9  | Ap 6  | Fe 20  | -     | Fe 11 | x   |
|                         |       |       |        |   |       | Ap 9  | Je 16  | My 10 | Je 15 | Je 6   |       | Je 13 |     |
| Mountain Bluebird       | x     | Fe 25 | Mr 8   | - | -     | -     | -      | -     | -     | -      | -     | -     | -   |
|                         |       |       | Je 14  |   |       |       |        |       |       |        |       |       |     |
| Townsend's Solitaire    | -     | Mr 30 | W -    | - | -     | Fe 11 | W -    | -     | -     | -      | -     | W -   | -   |
|                         |       |       | Ap 15  |   |       |       | Ap 16  |       |       |        |       | Ja 18 |     |
| Veery                   | -     | -     | -      | - | -     | -     | My 15  | -     | -     | My 13  | -     | My 19 | -   |
|                         |       |       |        |   |       |       | My 16  |       |       | My 24  |       | Je 12 |     |
| Gray-cheeked Thrush     | -     | -     | -      | - | -     | -     | -      | My 14 | Ap 15 | My 13  | -     | My 5  | -   |
|                         |       |       |        |   |       |       |        |       | My 29 |        |       | My 25 |     |
| Swainson's Thrush       | -     | My 4  | My 10  | - | -     | My 14 | -      | Ap 30 | My 8  | My 7   | My 15 | My 3  | -   |
|                         |       | Je 6  | My 21  |   |       |       |        | Je 13 | My 20 | My 31  | My 23 | Je 1  |     |
| Hermit Thrush           | -     | -     | -      | - | -     | -     | -      | Ap 12 | -     | Ap 10  | Ap 16 | Fe 1  | -   |
|                         |       |       |        |   |       |       |        | My 28 |       | Ap 30  |       | Ap 19 |     |
| Wood Thrush             | -     | -     | -      | - | -     | -     | -      | -     | Je 16 | Je 26  | -     | My 2  | x   |
|                         |       |       |        |   |       |       |        |       | Je 18 |        |       | - S   |     |
| American Robin          | x     | Mr 1  | W -    | b | Je 19 | W -   | W -    | Fe 24 | P     | W -    | Mr 12 | W -   | x   |
|                         |       |       | Je 30  |   | Je 30 | - S   | Je 30  | - S   |       | Je 30  | Je 30 | - S   |     |
| Varied Thrush           | -     | -     | -      | - | -     | -     | -      | -     | -     | -      | -     | My 6  | -   |
| Gray Catbird            | x     | My 18 | My 21  | - | -     | Je 7  | Ap 25  | My 13 | My 20 | My 11  | My 15 | My 1  | x   |
|                         |       |       | Je 28  |   |       |       | Je 14  | Je 30 | Je 30 | Je 27  | Je 30 | - S   |     |
| Northern Mockingbird    | -     | My 5  | -      | - | -     | My 30 | My 28  | -     | -     | W -    | -     | My 9  | -   |
|                         |       |       |        |   |       |       | Je 28  |       |       | Ja 18  |       |       |     |
| Brown Thrasher          | x     | My 9  | My 14  | h | Je 19 | My 6  | My 4   | Ap 26 | My 20 | Ap 23  | My 11 | Ap 28 | x   |
|                         |       |       | Je 29  |   | Je 30 |       |        | Je 30 | Je 30 | Je 30  | Je 29 | Je 30 | - S |

|                              | 1     | So.   | Scotts          | 2 | McPh. | Lin-          | Howard         |                | Boone          | Lan-           | Da-              | Doug-          | 3     |
|------------------------------|-------|-------|-----------------|---|-------|---------------|----------------|----------------|----------------|----------------|------------------|----------------|-------|
|                              | Sioux |       | Bluff           |   |       | coln          | Hall           | Adams          |                | caster         | kota             | Sarpy          |       |
| Water Pipit                  | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | Ap 5           | -     |
| Sprague's Pipit              | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | Note           | -     |
| Cedar Waxwing                | x     | -     | Mr 11<br>My 21  | - | -     | Ja 1          | W -<br>My 25   | Mr 12<br>Je 19 | Ja 30          | Ap 30          | My 11            | W -<br>Je 1    | x - S |
| Northern Shrike              | -     | Mr 28 | W -<br>Ja 28    | - | -     | Ja 11         | -              | -              | Fe 11          | -              | -                | -              | -     |
| Loggerhead Shrike            | x     | My 2  | My 6 b<br>Je 14 | - | -     | Mr 14         | Mr 14<br>Je 16 | Ap 17<br>Je 30 | Ap 15<br>Je 30 | Ap 16<br>My 21 | -                | Fe 28<br>Je 12 | -     |
| E. Starling                  | x     | P     | P h             | - | -     | P             | P              | P              | P              | P              | P                | P              | x     |
| Whi-eyed Vireo               | -     | -     | -               | - | -     | -             | -              | -              | My 8           | -              | -                | My 15          | -     |
| Bell's Vireo                 | -     | -     | My 30           | - | -     | -             | -              | -              | My 9<br>Je 27  | -              | -                | My 10<br>Je 22 | -     |
| Solitary Vireo               | x     | My 27 | -               | - | -     | -             | -              | -              | -              | My 21          | -                | My 2<br>My 23  | -     |
| Yellow-throated Vireo        | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | My 3<br>- S    | -     |
| Warbling Vireo               | -     | -     | My 20<br>Je 30  | - | -     | -             | Mr 24<br>Je 26 | My 6<br>Je 30  | My 8<br>Je 30  | My 4<br>Je 20  | My 22<br>Je 30   | My 6<br>- S    | -     |
| Philadelphia Vireo           | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | My 14<br>My 20 | -     |
| Red-eyed Vireo               | x     | My 15 | -               | - | -     | -             | My 26<br>Je 18 | My 11<br>Je 13 | -              | My 26          | -                | My 10<br>- S   | -     |
| Blue-winged Warbler          | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | My 12<br>Je 3  | -     |
| Golden-wing. W.              | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | My 16          | -     |
| Tennessee Warbler            | -     | -     | -               | - | -     | -             | My 3<br>My 6   | My 7<br>My 30  | -              | My 11<br>My 25 | My 15<br>My 29   | My 2<br>Je 14  | -     |
| Orange-crowned Warbler       | -     | My 7  | My 14<br>My 23  | - | -     | -             | -              | Ap 29<br>My 15 | Ap 27          | Ap 23<br>My 21 | 3 Ap 24<br>My 19 | -              | -     |
| Nashville Warbler            | -     | -     | -               | - | -     | -             | -              | -              | -              | My 4<br>My 15  | My 12<br>My 23   | My 3<br>My 23  | -     |
| Northern Parula              | -     | -     | -               | - | -     | -             | -              | -              | -              | Ap 2           | -                | Ap 17<br>Je 12 | -     |
| Yellow Warbler               | x     | -     | My 14<br>Je 30  | - | -     | My 6<br>Je 30 | My 19<br>Je 30 | Ap 30<br>My 25 | My 7<br>Je 30  | My 1<br>Je 24  | My 11<br>My 23   | Ap 26<br>Je 30 | -     |
| Chestnut-sided Warbler       | -     | -     | -               | - | -     | -             | My 5<br>My 6   | My 20<br>My 22 | -              | My 9<br>My 21  | My 21<br>My 19   | My 10<br>My 19 | -     |
| Magnolia Warbler             | -     | -     | -               | - | -     | -             | -              | -              | -              | My 13<br>My 21 | My 18<br>My 19   | My 10<br>My 23 | -     |
| Cape May Warb.               | -     | -     | -               | - | -     | -             | -              | My 19          | -              | -              | -                | My 13          | -     |
| Black-throated Blue Warbler  | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | My 17<br>My 19 | -     |
| Yellow-rumped Warbler        | x     | Ap 25 | W -<br>My 21    | - | -     | My 2          | Ap 28<br>My 4  | Ap 24<br>My 19 | Ap 15          | Ap 7<br>My 20  | Ap 17<br>My 16   | Ap 11<br>My 16 | -     |
| Black-throated Green Warbler | -     | My 22 | -               | - | -     | -             | -              | -              | -              | My 15          | -                | My 1<br>My 20  | -     |
| Blackburnian Warbler         | -     | -     | -               | - | -     | -             | -              | -              | -              | My 15          | My 12            | My 11<br>My 23 | -     |
| Yellow-throated Warbler      | -     | -     | -               | - | -     | -             | -              | -              | -              | -              | -                | Ap 28<br>Je 15 | -     |

|                         | 1     | So.   | Scotts | 2 | McPh. | Lin-  | Howard |       | Boone  | Lan-  | Da-   | Doug-   | 3 |
|-------------------------|-------|-------|--------|---|-------|-------|--------|-------|--------|-------|-------|---------|---|
|                         | Sioux | Bluff |        |   |       | coln  | Hall   | Adams | caster | kota  |       | Sarpy   |   |
| Palm Warbler            | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 7 -  | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | My 19   |   |
| Blackpoll Warbler       | -     | My 18 | My 19  | - | -     | -     | -      | My 13 | My 20  | My 9  | My 12 | My 7 -  | - |
|                         |       | My 22 |        |   |       |       |        | My 22 |        | My 22 | My 22 | My 25   |   |
| Black-and-white Warbler | x     | -     | My 21  | - | -     | -     | -      | My 7  | -      | My 11 | -     | Ap 27 - | - |
|                         |       |       |        |   |       |       |        | My 19 |        | My 22 |       | My 23   |   |
| American Redstart       | x     | My 7  | My 13  | - | -     | My 14 | My 14  | My 7  | -      | My 11 | My 11 | My 5 -  | - |
|                         |       |       | My 30  |   |       |       |        | My 13 |        | My 22 | My 19 | Je 30   |   |
| Prothonotary Warbler    | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 13 - | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | Je 30   |   |
| Worm-eating W.          | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 9 -  | - |
| Ovenbird                | x     | My 15 | -      | - | -     | -     | -      | My 9  | My 19  | My 6  | -     | Ap 30 - | - |
|                         |       |       |        |   |       |       |        |       | My 24  |       |       | - 5     |   |
| Northern Waterthrush    | -     | My 22 | My 19  | - | -     | -     | -      | -     | My 8   | Ap 30 | My 10 | Ap 3 -  | - |
|                         |       |       |        |   |       |       |        |       | My 20  | My 21 | My 19 | My 19   |   |
| Waterthrush sp.         | -     | -     | -      | - | -     | -     | -      | -     | -      | My 21 | -     | -       | - |
| Louisiana Waterthrush   | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | Ap 21 - | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | Je 30   |   |
| Kentucky Warbler        | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 20 - | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | My 24   |   |
| Connecticut Warbler     | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 17 - | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | My 28   |   |
| Mourning Warbler        | -     | -     | -      | - | -     | -     | -      | My 13 | -      | My 13 | -     | My 5 -  | - |
|                         |       |       |        |   |       |       |        |       |        | My 29 |       | Je 1    |   |
| Common Yellowthroat     | x     | My 15 | My 7   | - | -     | My 13 | My 12  | My 7  | My 7   | Ap 30 | My 9  | Ap 28 x | - |
|                         |       |       | Je 4   |   |       | Je 30 | Je 26  | Je 30 | Je 30  | Je 30 | Je 30 | - 5     |   |
| Hooded Warbler          | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 16 - | - |
| Wilson's Warbler        | -     | My 22 | My 13  | - | -     | -     | -      | Ap 26 | -      | My 18 | My 10 | My 5 -  | - |
|                         |       |       | Je 4   |   |       |       |        | My 22 |        | My 20 | My 19 | My 25   |   |
| Canada Warbler          | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | -     | My 20 - | - |
| Yellow-breast. Chat     | x     | -     | My 13  | - | -     | My 14 | My 19  | -     | -      | -     | -     | -       | - |
|                         |       |       | My 30  |   |       |       | Je 16  |       |        |       |       |         |   |
| Summer Tanager          | -     | -     | Note   | - | -     | -     | -      | -     | -      | -     | -     | Je 26 - | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | Je 30   |   |
| Scarlet Tanager         | -     | -     | -      | - | -     | -     | -      | -     | -      | -     | My 22 | My 17 - | - |
|                         |       |       |        |   |       |       |        |       |        |       |       | Je 30   |   |
| Western Tanager         | x     | My 12 | My 12  | - | -     | -     | -      | -     | -      | -     | -     | -       | - |
|                         |       | My 24 | My 13  |   |       |       |        |       |        |       |       |         |   |
| No. Cardinal            | -     | -     | -      | c | -     | P     | P      | P     | P      | P     | P     | P       | x |
| Rose-breasted Grosbeak  | -     | -     | -      | - | -     | -     | My 16  | My 13 | My 20  | My 5  | My 22 | My 1 x  | - |
|                         |       |       |        |   |       |       | Je 16  | Je 30 | Je 30  | Je 26 | Je 30 | - 8     |   |
| Black-headed Grosbeak   | x     | My 24 | My 18  | - | -     | My 27 | My 14  | My 10 | -      | -     | -     | -       | - |
|                         |       |       | Je 14  |   |       |       |        |       |        |       |       |         |   |
| Blue Grosbeak           | -     | My 26 | My 21  | c | Je x  | My 21 | -      | -     | Je 8   | Je 24 | -     | My 17 x | - |
|                         |       |       | Je 30  |   | Je 30 |       |        |       |        |       |       | - 8     |   |
| Lazuli Bunting          | x     | -     | My 27  | - | -     | My 25 | -      | -     | -      | -     | -     | -       | x |
|                         |       |       | Je 25  |   |       |       |        |       |        |       |       |         |   |
| Indigo Bunting          | x     | -     | Je 7   | c | -     | My 14 | My 17  | My 8  | My 20  | My 11 | My 22 | Ap 28 x | - |
|                         |       |       | Je 14  |   |       |       | Je 16  | Je 30 | Je 30  | Je 26 | Je 30 | - 8     |   |
| Dickcissel              | -     | -     | -      | - | -     | My 30 | My 25  | Je 5  | My 20  | My 5  | My 22 | My 6 x  | - |
|                         |       |       |        |   |       |       | Je 29  | Je 30 | Je 30  | Je 30 | Je 30 | - 8     |   |

|                        | 1     | So.   | Scotts | 2   | McPh. | Lin-  | Howard |       | Boone  | Lan-  | Da-   | Doug- | 3 |
|------------------------|-------|-------|--------|-----|-------|-------|--------|-------|--------|-------|-------|-------|---|
|                        | Sioux | Bluff |        |     | coln  | Hall  | Adams  |       | caster | kota  |       | Sarpy |   |
| Green-tail. T.         | -     | -     | My 12  | -   | -     | -     | -      | -     | -      | -     | -     | -     | - |
| Rufous-sided Towhee    | x     | Ap 25 | Ap 28  | -   | -     | Ap 25 | My 25  | Ja 18 | My 5   | Fe 12 | -     | W -   | - |
|                        |       | Je 30 |        |     |       | Je 16 | My 13  |       |        | Je 26 | -     | S     | - |
| American Tree Sparrow  | -     | Ap 16 | W -    | w - |       | Ja 3  | W -    | Mr 27 | W -    | W -   | Ja 1  | W -   | - |
|                        |       | My 14 |        |     |       | Ap 16 | Ap 15  | Ap 15 | Ap 17  | Ap 15 | Ap 15 | Ap 25 |   |
| Chipping Sparrow       | x     | My 1  | Ap 26  | -   | -     | My 14 | Ap 24  | Ap 15 | Ap 26  | My 3  | My 7  | W -   | x |
|                        |       | My 25 | Je 26  |     |       | Je 30 | Je 30  | Je 30 | Je 30  | My 21 | My 23 | -     | S |
| Clay-colored Sparrow   | -     | My 7  | My 11  | -   | -     | My 14 | -      | Ap 19 | -      | Ap 30 | -     | My 5  | - |
|                        |       | My 21 |        |     |       | My 19 |        | My 19 |        | My 20 |       | My 15 |   |
| Field Sparrow          | -     | -     | -      | -   | -     | -     | Ap 25  | Ap 19 | Je 8   | Ap 2  | My 7  | Ja 27 | x |
|                        |       |       |        |     |       |       | Je 16  | My 8  | Je 30  | Je 26 | Je 30 | -     | S |
| Vesper Sparrow         | x     | Ap 20 | Ap 23  | -   | -     | -     | My 16  | -     | Ap 30  | -     | -     | Ap 28 | x |
|                        |       |       |        |     |       |       |        |       |        |       |       | Je 16 |   |
| Lark Sparrow           | x     | Ap 26 | Ap 24  | b   | Je 19 | Ap 23 | My 25  | My 4  | My 20  | -     | -     | My 1  | - |
|                        |       | Je 30 | Je 30  |     | Je 30 |       | Je 16  |       | Je 30  |       |       | My 24 |   |
| Lark Bunting           | x     | My 7  | Ap 26  | h   | Je x  | My 14 | My 25  | -     | -      | -     | -     | -     | - |
|                        |       | Je 30 | Je 30  |     | Je 30 | Je 16 | Je 16  |       |        |       |       |       |   |
| Savannah Sparrow       | -     | -     | -      | -   | -     | -     | -      | -     | My 20  | Ap 15 | -     | Ap 25 | - |
|                        |       |       |        |     |       |       |        |       | My 11  |       |       | My 19 |   |
| Grasshopper Sparrow    | -     | Je 4  | -      | c   | -     | My 14 | My 25  | -     | My 20  | My 8  | -     | My 3  | x |
|                        |       |       |        |     |       | Je 30 | Je 30  |       | Je 30  | Je 12 | -     | S     |   |
| Le Conte's Sp.         | -     | -     | -      | -   | -     | -     | -      | -     | -      | Ap 30 | -     | My 5  | - |
| Sharp-tailed Sp.       | -     | -     | -      | -   | -     | -     | -      | -     | -      | -     | My 15 | -     | - |
| Fox Sparrow            | -     | -     | -      | -   | -     | -     | -      | -     | Mr 27  | Mr 31 | Mr 12 | Mr 14 | - |
|                        |       |       |        |     |       |       |        |       | Mr 30  | Ap 23 |       | Ap 19 |   |
| Song Sparrow           | -     | Ap 1  | My 10  | -   | -     | Mr 17 | -      | Ap 15 | Fe 11  | W -   | Je 8  | P     | x |
|                        |       | My 14 |        |     |       |       |        | My 13 | Je 30  | Je 26 |       |       |   |
| Lincoln's Sparrow      | -     | Ap 29 | -      | -   | -     | -     | -      | Ap 26 | Ap 27  | Ap 25 | My 7  | Ja 1  | - |
|                        |       | My 25 |        |     |       |       |        | My 5  | My 20  | My 21 |       | My 20 |   |
| Swamp Sparrow          | x     | -     | -      | -   | -     | -     | -      | -     | My 8   | Ja 2  | -     | Ap 24 | - |
|                        |       |       |        |     |       |       |        |       | Je 30  | Ja 8  |       | My 1  |   |
| White-throated Sparrow | -     | -     | -      | -   | -     | -     | W -    | Ap 15 | -      | W -   | My 7  | W -   | - |
|                        |       |       |        |     |       |       | Mr 28  | Je 10 |        | My 14 | My 10 | My 19 |   |
| White-crowned Sparrow  | -     | My 1  | W -    | -   | -     | W -   | W -    | Ap 28 | Fe 11  | Ap 23 | -     | W -   | - |
|                        |       | My 20 | My 21  |     |       | My 14 | Mr 20  | My 8  |        | My 11 |       | My 19 |   |
| Harris' Sparrow        | -     | -     | My 8   | -   | -     | W -   | W -    | My 8  | W -    | W -   | -     | W -   | - |
|                        |       |       |        |     |       | My 14 | Ap 24  |       | My 20  | My 22 |       | My 15 |   |
| Dark-eyed Junco        | x     | Ap 16 | W -    | w - | -     | Ja 1  | W -    | My 4  | W -    | W -   | Ja 1  | W -   | - |
|                        |       | Ap 18 |        |     |       | My 4  |        |       | Ap 15  | Ap 24 | My 4  | My 3  |   |
| McCown's Longsp.       | -     | Ap 16 | -      | -   | -     | -     | -      | -     | -      | -     | -     | -     | - |
| Lapland Longsp.        | -     | -     | -      | -   | -     | -     | -      | -     | -      | -     | -     | Mr 27 | - |
| Chestnut-col. L        | x     | Mr 29 | -      | -   | -     | -     | -      | -     | -      | -     | -     | -     | - |
| Bobolink               | x     | -     | My 18  | -   | -     | My 14 | My 15  | -     | My 7   | Je 25 | -     | My 9  | - |
|                        |       |       | My 21  |     |       | Je 30 | Je 16  |       | Je 30  |       |       | S     |   |
| Red-winged Blackbird   | x     | Fe 26 | Fe 20  | B   | Je 19 | Ja 4  | Ap 16  | Mr 23 | P      | W -   | Mr 3  | W -   | x |
|                        |       | Je 30 | Je 30  |     | Je 30 | Je 30 | Je 30  | Je 30 |        | Je 29 | Je 30 | -     | S |
| Eastern Meadowlark     | -     | -     | -      | -   | -     | My 14 | My 30  | -     | My 8   | Mr 13 | -     | Fe 10 | x |
|                        |       |       |        |     |       | Je 16 | Je 16  |       |        | Je 12 |       | Je 28 |   |
| Meadowlark sp.         | -     | -     | -      | -   | -     | -     | -      | P     | -      | W -   | -     | P     | - |
|                        |       |       |        |     |       |       |        |       |        | Fe 27 |       |       |   |

|                         | 1 So. Scotts<br>Sioux Bluff | 2 McPh.       | Lin-<br>coln | Howard<br>Hall    | Adams             | Boone Lan-<br>caster | Da-<br>kota | Doug-<br>Sarpy | 3 |
|-------------------------|-----------------------------|---------------|--------------|-------------------|-------------------|----------------------|-------------|----------------|---|
| Western Meadowlark      | x Fe 26 P                   | b Je 19 Je 30 | P            | W - - Je 30       | -                 | W - P Je 30          | Mr 5 Je 30  | W - S          | x |
| Yellow-headed Blackbird | x Ap 22 Ap 26 My 21         | - Je 19 Je 30 | Ap 7         | Ap 16 Ap 15 Ap 24 | My 7 Je 30        | Ap 17 Je 27          | Ap 19 My 29 | Ap 20 Je 27    | - |
| Rusty Blackbird         | - - - - -                   | - - - - -     | -            | - - - - -         | W - Fe 19 Mr 12   | -                    | Fe 24 Ap 25 | -              | - |
| Brewer's Blackbird      | - - My 14 My 21             | - - - - -     | Ap 29        | - My 14 Je 30     | W - Mr 12         | W - Ja 2             | -           | Fe 11 Ap 20    | - |
| Great-tailed Grackle    | - - - - -                   | - - - - -     | -            | Ap 25 Je 28       | My 8              | - My 5 Je 27         | -           | -              | - |
| Common Grackle          | x Ap 15 Ap 10 Je 30         | b Je 19 Je 30 | Ap 13        | Mr 15 Fe 25 Je 30 | Ap 2 Fe 13 Je 30  | Mr 12 Je 30          | W - S       | -              | x |
| Brown-headed Cowbird    | x Ap 23 My 10 Je 30         | b - - - -     | Ap 22        | Ap 28 Ap 15 Je 30 | Fe 11 Ap 10 Je 30 | My 22 Je 28          | Ja 19 S     | -              | x |
| Orchard Oriole          | x My 25 My 21 Je 30         | b Je 19 Je 30 | My 13        | My 26 My 6 Je 30  | My 10 Je 30       | My 7 Je 24           | My 17 My 22 | My 6 S         | x |
| Northern Oriole         | x My 22 My 18 Je 30         | c Je 19 Je 30 | x My 13      | My 6 My 7 Je 30   | My 7 Je 30        | My 5 Je 30           | My 7 Je 30  | My 1 S         | x |
| Purple Finch            | - - - - -                   | - - - - -     | -            | - - - - -         | -                 | W - Ja 30            | -           | W - My 6       | - |
| House Finch             | x P P C - -                 | - - - - -     | P            | P - - - -         | -                 | - - - - -            | -           | -              | - |
| Common Redpoll          | - - - - -                   | - - - - -     | Ja 1         | - - - - -         | -                 | - - - - -            | -           | -              | - |
| Pine Siskin             | x Ap 15 W - Je 30           | - - - - -     | Ap 9         | - Mr 12 Ap 15     | -                 | - - - - -            | Ja x        | -              | - |
| Am. Goldfinch           | x My 2 P - -                | - - - - -     | P            | P P P             | P                 | P                    | P           | P              | x |
| Eve. Grosbeak           | - - Fe 23 - -               | - - - - -     | -            | - - - - -         | -                 | - - - - -            | -           | -              | - |
| House Sparrow           | x P P b P                   | P P P         | P            | P P P             | P                 | P                    | P           | P              | x |

Hall, see Howard.

Howard (and Hall), St. Libory and Grand Island, 110 species, Bill Schleicher, reporter, Tanya Bales, Vera Coons, George Stoppkotte.

Hitchcock, see Lower Southwest Corner.

Lancaster, Lincoln, 197 species, Tanya Bray, Wm. C. Garthright, Ruth C. Green, Mabel B. Ott, and Babs Loren Padelford, reporters, Terry Cox, Larry Einemann, Neva Pruess, Rick Wright. Mrs. Green commented that the Franklin's Gulls she saw at Branched Oak Lake 27 February were mature birds and one had the rosy breeding blush on its breast. This is the earliest record for the state that she can find. The Mockingbird was a patron at a feeder.

Lincoln, North Platte, 139 species, Marie Cunningham, reporter, W.H. Cunningham, Colsons, Eva Kieborz, McEvoy, Margaret Morton, Somerhalders.

Lower Southwest Corner, Chase and Hitchcock counties, 53 species, Wauneta, Iola Pennington, reporter, Sharon Alford. This is based on observations made in the two counties 10 June (c for Chase, h for Hitchcock, b for both), supplemented by comments on birds seen before 7 April (not designated by county). These are indicated by w, or if the bird was also reported for 10 June, by capitalizing that symbol, thus: C, H, or B.

McPherson, Tryon, 36 species, Mrs. Oona Bassett, reporter. The first dates are Mrs. Bassett's first records after she got back to the ranch in mid-June. Winter birds, and most migrants are thus not included. Neighbors reported seeing 4 Tundra Swans, but the next time they were seen there were only 3. The Eastern Bluebirds were seen for 3 days during the first blizzard.

Northwest Edge, Dawes, Sheridan, and Sioux counties, 97 species, Babs and Loren Padelford, reporters. These are observations made on 28 and 29 May. The Junco was a Gray-headed type, seen at Smith Lake, Sheridan Co.

Otoe, 55 species, Babs and Loren Padelford, reporters. These are observations made 19 June.

Sarpy, see Douglas.

Scotts Bluff, Gering, 139 species, Alice Kenitz, reporter, Cash Adcock, Dorothy Adcock, Mary Ann Banghart, Lydia Bolz, Joyce Brashear, and Helen Hughson. Two Cattle Egrets, seen by Helen Hughson near a feedlot south of Morrill, were a first — they have been singly before. A man who lives on the edge of Gering called Maud Witschy to report that he had a Raven in his yard on 2 February, and that a man who lives in a canyon in the hills southwest of Gering had 4 in his yard about the same time. Apparently they were identified on the basis of size. It certainly is possible that these were Common Ravens, but Mrs. Kenitz is not sure. There are a large number of Crows south of Gering in the winter, and she is not sure that these men have the expertise to tell the difference. The Tanager was observed by Mary Allison and her family on 13 June. This was one of the gray and drizzly days that are so common here about that time. They observed this red bird in a large spruce tree in their yard. Mary thought the mandibles were dark and so that it might have been a Hepatic Tanager, but Mrs. Kenitz is dubious because of the poor light conditions. A Summer Tanager was seen here several years ago, but she can't find any record of a Hepatic Tanager in Nebraska at all.

Sheridan, see Northwest Edge.

Sioux, see Northwest Edge and South Sioux.

South Sioux, Mitchell RFD, 126 species, David and Helen Hughson, reporters.

## BOOK REVIEWS

Wading Birds of the World, Eric and Richard Soothill. 334 pp., 6 × 9½, Blandford Press, England, Sterling Publishing Co. Inc., New York. Hardbound, indexed, \$29.95.

This book covers the sixteen orders of wading birds, over 300 species. The book consists of discussions of the individual species. As a minimum it gives "Description" and "Habitat and Distribution"; for the more important species it includes "Description", "Characteristics and Behaviour", "Habitat", "Food", "Voice", "Display" (surprisingly often "not recorded" or the like), "Breeding", "Distribution", a color photo or a line drawing (96 color, 70 line), and a map of the world (about two inches wide) showing the breeding distribution. For those species whose common name in America differs from that in Britain (this is a British book) the American name is given in the species account and included in the index. There is one exception — we regard the Black-necked Stilt as a separate species (*Himantopus mexicanus*). It is not indexed by either name, and the only indication in the book of its existence is the following sentence under "Distribution" of the Black-winged Stilt (*Himantopus himantopus*): "*H. h. mexicanus* breeds in southern and western USA, through Central America, the West Indies, and the coastlands of north-western South America (there is also a black-necked variety, with black head, hindneck, and upper face; with white forehead, and white patch over eye)." but once one knows this, there is no problem. The book's order is not that of the new *AOU Checklist*, but with the large number of Non-American birds the index would be quicker anyhow. There is a one page biography. (This book, like Palmer, lumps the White-faced Ibis with the Glossy Ibis. The index entry is a parenthetical entry under Glossy; no entry under W.)

The North American Black Duck (*Anas rubripes*); A Case Study of 28 Years of Failure in American Wildlife Management, John W. Grandy, Supplement to International Journal for the Study of Animal Problems, 4(4)1983. Washington, D.C.

A dismal, discouraging record of the continued failure of the authorities to do anything effective to reduce the continued decline in the numbers of the Black Duck.

Banquets for Birds, National Audubon Society, 28 pp. 6 × 9, softbound, \$1.60 postpaid from Information Services, National Audubon Society, 950 Third Avenue, New York, N.Y. 10022.

A quick summary of information on the subject: diversity, selectivity, and scientific observation; distribution, dependency, and timing; lazy landscapes, scalloped edges, and likely birds; food, feeders, and special needs; hazards, predators, and pests; relative attractiveness of bird feeds for some common birds; preferred foods of common birds (does anyone really want to attract House Sparrows and Starlings, or are they included so one will know what not to put out in order to decrease their numbers?); favorite hummingbird plants; a selection of plantings beneficial to birds; and a list of books on the subject.

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The Bird Identification Calendar 1984, the Stephen Greene Press, Brattleboro, VT, 14 pp., 12 $\frac{3}{4}$  x 11, \$6.95.

As an engagement calendar it is like most of the others; the prime difference is in the seventy or so color pictures by John Sill, and the short comments that go with each, which may contain little items that you never knew, or had forgotten. This is a continuation of the series of such calendars prepared under the auspices of the Massachusetts Audubon Society.





## NOTES

LATE WOOD DUCK BROODS. I don't know if weather affected the nesting of some Wood Ducks or not, but 8 August (1982) seems a little late for baby woodies. At the Iowa Settling Pond, there were two hens with new families; one hen had two ducklings that were about 5 to 6 days old, and another hen had a brood that was only a few hours out of the nest. The Wood Duck raises but one brood in a season in any part of its wide range, according to Bent, and has always been considered an early nester. I searched several waterfowl books for late nesting records and could find nothing later than the end of July - no mention of August records at all. It takes 60 days for young Wood Ducks to be able to fly, so October will catch these birds unprepared to migrate as early as they should.

—Ruth C. Green, 506 W. 31st Avenue, Bellevue, Nebraska 68005

**CATTLE EGRETS.** On 20 September 1982 I saw 7 Cattle Egrets and on 5 October 3, both times on Highway 34, about 1.4 miles east of spur 93 to I-80.

—Harvey L. Gunderson, 1200 Superior, Lincoln, Nebraska 68521

**PEREGRINE FALCON HARASSING GREAT HORNED OWL.** The Peregrine Falcon is a rare fall migrant at Mormon Island Crane Meadows (Lingle and Hay, *NBR* 50:31). At 8:45 A.M. on 12 October 1982 I was driving along the Platte River on Mormon Island Crane Meadows when I heard a series of gull-like calls which I did not recognize. As I approached an open view of the river I saw a Peregrine Falcon scolding and dive-bombing an object on a herbaceous island. I was within 60 m of the Falcon, and its black helmet and large size clearly identified it as a Peregrine. After seeing me, the Falcon flew downriver. As I got out of the vehicle a Great Horned Owl flew from the island area which the Peregrine was harassing. Mobbing behavior of many species of birds on Great Horned Owls is well known, but records of migrant Peregrine Falcons harassing Great Horned Owls are few, although Great Horned Owls are the major predators of Peregrine Falcon eyasses at reintroduction sites.

—Gary Lingle, Platte River Trust, 2550 N. Diers Ave., Suite H, Grand Island, Nebraska 68801

**WHOOPING CRANE.** The spring 1983 report of Whooping Crane sightings, released by the Fish and Wildlife Service, Pierre, S.D. has three for Nebraska: On 14 April two adults and a radio-tagged young left Sheridan Co., Kansas (12 miles north and .5 mile east of Hoxie), where they had been for a couple of days, and flew to Furnas Co., a mile north of Hendley, where they spent the night of 14-15 April. They spent 15-18 April in Custer Co., 3 miles NNE of Callaway, and then went to Perkins Co., S.D. (5 miles SSW of Prairie City) for the night of 18-19 April. Two adults, not marked, spent the night of 15-16 April in Franklin Co., 5 miles south and 2 miles east of Hildreth. A third group — two adults and a young, and radio-marked spent 17-18 April in Mitchell Co., Kansas, 5 miles SE of Beloit, and the night of 18-19 April in Mellette Co., S.D., 12 miles NW of White River, with no known stop in Nebraska.

**BLACK-NECKED STILT.** In mid-morning of 11 May 1983 I saw a Black-necked Stilt from 1-80, east of Gothenburg, Dawson Co.

—Ray Korpi, 2002 Dogwood Circle, Bellevue, Nebraska 68005

**FISH-EATING GREAT HORNED OWL.** On 15 June 1982, while working near Buck Creek, approximately 4.5 miles west of Peru, agricultural workers Randy Rohrs, Jim Whisler, and Ross Adams observed a young Great Horned Owl consuming a fish. When it was approached the young raptor clacked a warning and continued feeding. The observers stated that the fish appeared to be 8 to 9 inches long. The following day we collected fish scales at the site and sent a sample to Dr. Clayton True, Kearney State College, for identification. Dr. True stated that positive identification using scales is not an exact science. However, the size and coloration of the scales and the reported size indicate that the fish was a carp (*Cyprinus*). Due to the excessive rainfall this spring many of the ponds in the area overflowed, washing many fish out. Great Horned Owls do not usually prey on fish, but they are opportunistic feeders, and this appears to be the case in this situation.

—Steve Shupe, Box 151, Peru State College, Peru, Nebraska 68421

**CHUCK-WILL'S WIDOW.** At 5 A.M. 12 May 1982 I heard a Chuck-will's-widow calling in the woods behind our house. It called for about 10 minutes, and I recorded it on tape. This is the only time I have heard this bird in Nebraska.

—Harvey L. Gunderson, 1200 Superior, Lincoln, Nebraska 68521

**BLUE-GRAY GNATCATCHER.** A Blue-gray Gnatcatcher netted in Garden Co. was said to be the first record west of Lincoln (*NBR* 50:7). I reported one from Bladen, but I can't say when, for I can't find some of my records. But Rapp *et al.*'s *Revised Checklist* cites Tout's Lincoln County Birds as saying the Gnatcatcher gets as far west as North Platte.

—Harold Turner, Box 333, Minden, Nebraska 68959

(The claim may have been based on a reading of the bird's current status in Johnsgard's *A Preliminary List* etc. A check of the *Review* for Mr. Turner's record was stopped when Earl Glandon's 1957 record from Stapleton, Logan Co., was found (*NBR* 25:52). — Ed.)

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## TABLE OF CONTENTS

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| 1983 (Fifty-eighth) Spring Occurrence Report                                 | 66 |
| Book Reviews                                                                 | 78 |
| An Analysis of Winter Long-eared Owl Pellets from Lancaster County, Nebraska | 79 |
| Notes                                                                        | 82 |

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SCOTT'S ORIOLE. On 17 June 1983 we (Vonna Jo Moody, Sharon Alford, and I) saw a bird in an isolated grove of trees on a hill top by Enders Dam, and on 25 June we saw a similar one in trees along the Stinking Water at Moody's, about five miles from Wauneta. We noted the black head, lemon yellow body, and distinct tail marks. The song, as the books say, reminded us of the Western Meadowlark's. Each sighting was a deliberate one, with reference books handy, and we used every possible means to check our accuracy.

— L. Lola Pennington, 561 S. Tecumseh Avenue, Wauneta, Nebraska 69045

In May of 1975 George W. Stoppkotte reported a Scott's Oriole on his farm just east of Grand Island. He saw it on about eight different occasions, and Bill Schleicher and Vera Coons were able to study it, too. (NBR 43:64).

MINDEN NOTES. On 20 July 1982 I heard what I feel sure was a Great Crested Flycatcher, and on 22 July out in the country, I heard a Blue Grosbeak and stirred up some Grasshopper Sparrows. On 1 August near the same area I saw 3 Great Blue Herons, more Grasshopper Sparrows, and what I took for a Savannah Sparrow. On 23 August I saw only 1 Great Blue, but several Killdeer and what I took for a Solitary Sandpiper. On 25 August I saw about 40 Purple Martins over town. My brother who lives southwest of Holstein a few miles, saw a lone American Bittern about 1 August, and had watched a pair of Burrowing Owls on the old home place (in Adams Co.) this past summer. As well as he could determine they raised 4 young. On 6 September another brother and I saw a Swainson's Hawk. On 19 September I saw a lone Black-crowned Night-Heron, apparently an immature. This was near where I had seen the Great Blues. The same day I flushed some Grasshopper and Savannah Sparrows, saw a Lincoln's and a Brown Thrasher and a Ferruginous Hawk.

—Harold Turner, Box 333, Minden, Nebraska 68959

CORRECTION TO 1982 CHRISTMAS COUNT. "Species reported" for DeSoto Bend NWR, NBR 51:17, should be 60 instead of 50.

12-1983

## WHOLE ISSUE *Nebraska Bird Review* (December 1983) 51(4)

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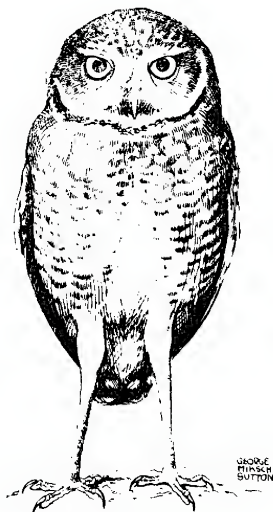
# The Nebraska Bird Review

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## TABLE OF CONTENTS ON BACK COVER

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Other officers are: President, Mrs. Ruth C. Green, 506 W. 31st Avenue, Bellevue, Nebraska 68005; Vice President, Gary Lingle, 2550 N. Diers Avenue, Suite H, Grand Island, Nebraska 68801; and Secretary, Mrs. C.E. Johnson, 604 S. 22nd St., Apt. 406, Omaha, Nebraska 68102.

## A NEW NESTING SPECIES FOR NEBRASKA

The Chuck-will's widow (*Caprimulgus carolinensis*) is considered a highly local but regular migrant and presumed summer resident in Nebraska. Although it is known to breed in Kansas and Oklahoma, there were no nest records for Nebraska (Johnsgard, 1980). Egg dates for Kansas range from 21 April to 31 May (Johnsgard, 1979). On 4 June 1983 a Chuck-will's widow's nest with 2 eggs was discovered in a bur oak (*Quercus macrocarpa*) — red cedar (*Juniperus virginiana*) woodland at Camp Merrill, Saunders Co. (Sec 29 T17N R5W), approximately 6 miles southeast of Linwood (Janett Waever, pers. comm.) The "nest" was located on the ground about 6 ft. from a footpath. A few fallen oak leaves and bedstraw (*Galium* sp.) made up the meager ground cover. On 11 June, 1 of the eggs hatched. The adult female, hatchling, and nest were photographed. The remaining egg hatched on 12 June. The chicks were observed again on 18 June, approximately 10 ft. from the footpath, and by 26 June were absent from the nest site.



The incubation period for this species is 20 days, beginning with the first egg (Johnsgard, 1979). This would mean that the approximate laying date for this clutch was 22 May. Both Whip-poor-will (*Caprimulgus vociferus*) and Chuck-will's widow have been heard regularly in this area

since at least 1978 (Janett Weaver, pers. comm.). This represents the first documented nest record in Nebraska.

I would like to thank Janett Weaver for providing me this information and the photographs of her remarkable find, and Tom Labedz for critical review.

#### Literature Cited

Johnsgard, P.A. 1979 *Birds of the Great Plains*. Univ. of Nebraska Press, Lincoln, Nebraska. 539 pp.

— 1980 A revised list of the birds of Nebraska and adjacent Plains States. Occasional papers of the N.O.U., No. 6, Lincoln, Nebraska. 114 pp.

— Gary Lingle, *The Platte River Whooping Crane Trust, 2550 N. Diers Ave., Suite H, Grand Island, Nebraska 68801*

(Camp Merrill is run by the American Baptists Churches of Nebraska. — Ed.)

## BOOK REVIEWS

*Bird Conservation*: No. 1, Stanley A. Temple, Editor, 148 pp. 6 × 9, The University of Wisconsin Press, Madison, Wis. No index, paper. \$12.95.

This is the first in a planned series of yearbooks to be issued by the U.S. Section of the International Council for Bird Preservation. It is intended that each yearbook will present a series of reports on a specific conservation issue or program submitted by biologists active in the field — in this case, on the conservation efforts for the Peregrine Falcon, the Bald Eagle, and the California Condor. Then a section presenting current, concise reports and updates on conservation news, and finally a review of bird conservation literature, in some cases annotated. It is intended for and should be of interest to anyone seriously concerned about bird conservation.

— Editor

*The Care and Breeding of Seed-eating Birds, Finches and Allied Species* — Doves, Quail and Hemipodes. Jeffery Trollope, 336 pp. 5¼ × 8¼, Blandford Press, England, Sterling Publishing Co. Inc., New York, bibliography, indexed, hardbound, \$17.95.

This book is intended for those who are, or hope to be, beyond the cage bird level and into the aviary level of bird raising. The first four chapters are on general principles: Accommodation, Nutrition and Food, Obtaining Stock and Management, and Breeding. The author then discusses, species by species, about 200 species, (50 of them shown in a 16-page color section). Material common to a genus or family is covered before an individual species is discussed. This discussion covers other names, and possibly volume of imports (into Britain), breeding success, related species, and then Description, Distribution and Habitat, Breeding, Voice, and Behaviour, and may run up to two pages, or less than a page, depending on how much information is available and how much has been given under genus, family, or similar species. People who have cage birds of species discussed (Canaries and Budgerigars are not) probably could learn from the species account; people who run a number of feeders might benefit from his comments on buying and storing quantities of feed, and maybe from his advice to feed each kind separately, so you will know who uses it, and how much is actually used. And anyone in the aviary stage could benefit from the review of general principles, and from the species accounts of prospective new species.

— Editor

*Birds of North America*, Expanded, Revised Edition Robbins, Bruun, and Zim, illustrated by Singer. 4½ × 7½, 360 pp. Golden Press, New York. \$7.95 softcover, \$10.95 hardcover.

The species names have been changed in accordance with the new AOU listing (but Green-backed Heron is still Green Heron), but the order (even of the genera) is not consistently the same as the new AOU order. There are new range maps, textual changes in places, new species have been added, and two pages on immature terns, one on parrots (presumably the most popular escapees), and other pages have been redone, resulting in an increase of 20 pages over the original edition.

— Editor

## A SECOND BLACK-SHOULDERED KITE IN NEBRASKA, WITH NOTES ON ITS FOOD HABITS



On 31 August 1983 at about 1200 h CDT, the junior author discovered a Black-shouldered Kite (*Elanus caeruleus*) on Mormon Island Crane Meadows, Hall County, Nebraska, perched in a plains cottonwood (*Populus deltoides*). The senior author visited the site at 1800 h CDT and observed the bird in the same tree, with a 25× spotting scope. It was perched on a dead limb and was carefully observed for 15 min. The next day, 1 September, we visited the area at 1200 h and observed the Kite. We carefully noted plumage and soft parts coloration as follows: eye - reddish brown; cere - greenish yellow; bill - bluish black; tarsus - yellow; cap - streaked with brown and white feathers gradually blending into a pearl gray neck and back; tail - mostly white with a faint, partial terminal band; breast - nearly all white except for remnants of a brownish streaked bib and sparse brownish fleckings on the breast; wings - grayish white except for black coverts; underside in flight - nearly all white except for black wrist markings. Based on these markings we believe it was an immature bird which had nearly completely molted into adult plumage. We flushed the bird and it circled curiously overhead, displaying its coloration. This bird was observed on 22 occasions from 31 August to 8 October. It perched regularly in the cottonwood or one of two nearby boxelders (*Acer negundo*).

The Black-shouldered Kite was observed feeding on a meadow vole (*Microtus pennsylvanicus*) on 2 occasions. Its hunting behavior consisted of hovering above open fields then dropping vertically to the ground while attempting to capture its prey. Eleven regurgitated pellets were collected underneath its perch between 2 September and 5 October. All contained hair and skull parts from meadow voles. The pellets varied between 21 × 26 mm and 27 × 39 mm in size.

This bird apparently established a feeding territory. On 19 September at 1630 h CDT, it left its cottonwood perch and pursued a Red-tailed Hawk (*Buteo jamaicensis*) soaring overhead. The Kite circled above the hawk and stooped to within 1 m, although no contact was made. It harassed the Red-tailed Hawk for about 300 m then returned to its perch. On 8 October at 1100 CDT, a second interaction with a Red-tailed Hawk was observed. The Hawk displaced the perched Kite. The Kite then circled and stooped at the Hawk for about 4 minutes until the Hawk departed and the Kite resumed its perch. The Kite stooped to within 15 cm of the Hawk at each pass but no contact was made.

Ruth Green reported the first Black-shouldered Kite in Nebraska on 19 August 1981 (1982. White-tailed Kite in Garden County. *NBR* 50:10-11). Johnsgard (1979. *Birds of the Great Plains*. Univ. of Nebraska Press, Lincoln 539 pp.) reported the breeding area as coastal Texas although there was 1 nest record in Oklahoma. This "non-migratory" species also occurs in California and was reported to feed on rodents and insects (Robbins, C., B. Bruun, and H. Zim. 1966. *Birds of North America*. Golden Press, New York. 340 pp.).

The occurrence of hurricanes Alicia and Barry on the Texas Gulf Coast less than 2 weeks preceding this sighting may have been responsible for sending this bird northward. Several people observed this kite and among them are: J. Athen, V. Coons, D. Grundman, D. Huxtable, T. Labeledz, S. Stearns, T. Schupbach, J. Ziewitz, and others.

— Gary R. Lingle and Kari L. Lingle, The Platte River Whooping Crane Trust,  
2550 N. Diers Ave., Suite H, Grand Island, NE 68801

## PINE SISKIN NESTS AT WAYNE STATE COLLEGE

On 29 April 1976 I observed a number of Pine Siskins in the elm and blue spruce trees on the Wayne State College campus, Wayne, Nebraska. They were actively flying back and forth between the trees so I could not determine the exact number of them, but they would have numbered less than a dozen.

On 30 April I saw that a Pine Siskin appeared to be building a nest in a blue spruce tree, about five feet above the ground. I continued to watch from a safe distance for the next few days. By 5 May the nest appeared to be completed and occupied. It was occupied from 5 to 12 May. During this time there were varying numbers of other Pine Siskins in the area.

On 13 May the nest was vacant and no Pine Siskins were in the area. On 14 May I noted carefully that no Pine Siskins were in the area and then examined the nest closely for the first time. I found no indication that any eggs had ever been laid in the nest. On 17 May I noted that the nest had not been occupied since 13 May, and that no Pine Siskins had been seen in the area during the time, and that fairly strong winds were rapidly causing the deterioration of the nest. I was not aware of any record of nesting attempts by Pine Siskins in this area prior to this time, so I salvaged the nest on 17 May (with authority granted via Federal Fish and Wildlife Permit #PRT-7-151-C-KC, Amendment #2). The nest was placed in the collection at Wayne State College as evidence of Pine Siskin activity in this area.

On 13 May 1982 the temperature was 68-70°F, intermittent rain, wind 5 mph or less from the east. At 12:15 PM I saw two fledgling Pine Siskins on the campus, south of Benthack Hall. They were in a low bush, which was just under the outstretched branches on the north side of a blue spruce tree. No adult birds were seen, and no nest was seen. At 3 PM on the same day I returned to the site. No baby birds were seen, but as I inspected the site an adult Pine Siskin flew in. After a brief survey of the area it flew almost directly to a nest which I had not located earlier. The nest was in the blue spruce about six feet above ground, above the low bush. It was situated about 18 inches from the tip of the branch. An adult bird was on the nest but no young birds were visible. I assumed they were in the nest, being protected from the rain by the adult. On 19 May 2.5 inches of rain and some wind occurred during the night and early morning. At 12 noon the adult bird was still on the nest and everything appeared to be in proper condition. Heavy rain (1+ inch) and some hail and wind occurred that night and early morning, and at 12 noon 20 May an inspection of the nest site revealed all Pine Siskins gone and the nest destroyed. The nest lining materials were not wet, but were separated from the outer nest structure. It appeared that the nest site might have been the victim of a predator rather than the weather. Photographic record of the nesting Pine Siskins was made by Mr. Harland Pankratz, Biology Professor at Wayne State College.

— A. Jewell Schock, Associate Professor of Biology,  
Wayne State College, Wayne, Nebraska 68787

## 1983 FALL FIELD DAY

There were 55 who registered for the 1983 Fall Field Day, 24/25 September 1983, at the 4-H Camp at Halsey National Forest. With the benefit of good weather they tallied 94 species on or near the Forest, and a party that went up US 83 as far as the North Loup added 10 more (marked [N]), and 2 or 3 unidentified species of shore birds. The Scott's Oriole, near Wauneta, was selected as the best of the birds submitted for consideration, with the Black-necked Stilt, near Gothenburg, and the Glossy Ibis, at Lincoln, tied for second. After the slide show Saturday night (which included an identification quiz) Wayne J. Mollhoff, of Albion, spoke about the Holarctic Avian Speciation Atlas, for which he is the Nebraska coordinator, soliciting the support of NOU as an organization, and the members as individuals. He proposes about 400 blocks, each about 3 miles square, which will be surveyed for evidence of breeding of the species actually or expected to be found there. Collection of the data is expected to be done from 1984 to 1988.

The species tallied are: Pied-billed, and Horned Grebes; Great Blue Heron, Wood Duck, Mallard, Northern Pintail, Blue-winged Teal, Gadwall, American Wigeon, Canvasback [N], Ruddy Duck [N], Turkey Vulture, Osprey [N], Northern Harrier, Sharp-shinned Cooper's Hawk (too far off for definite identification); Swainson's and Red-tailed Hawks; American Kestrel, Merlin, Ring-necked Pheasant, Wild Turkey, Virginia Rail, Sora, American Coot,

Killdeer; Greater [N] and Lesser [N] Yellowlegs; Common Snipe, Ring-billed Gull [N]; Rock [N] and Mourning Doves; Black-billed and Yellow-billed Cuckoos; Eastern Screech-Owl, Great Horned Owl, Common Nighthawk, Common Poorwill, Belted Kingfisher; Red-headed, Downy, and Hairy Woodpeckers; Northern Flicker, Yellow-bellied Flycatcher, Say's Phoebe, Horned Lark, Barn Swallow, Blue Jay, Black-billed Magpie, American Crow, Black-capped Chickadee; Red-breasted and White-breasted Nuthatches; House Wren; Golden-crowned and Ruby-crowned Kinglets; Eastern Bluebird, Townsend's Solitaire, Swainson's Thrush, American Robin, Gray Catbird, Brown Thrasher, Pipit sp. [N], Cedar Waxwing, European Starling; Philadelphia and Red-eyed Vireos; Tennessee, Orange-crowned, Nashville, Yellow, Magnolia, Yellow-rumped, and Blackburnian Warblers; American Redstart, Common Yellowthroat, Wilson's Warbler, Northern Cardinal; Rose-breasted and Black-headed Grosbeaks; Indigo Bunting, Rufous-sided Towhee; American Tree, Chipping, Clay-colored, Field, Vesper, Lark [N], Savannah, Song, Lincoln's, White-throated, White-crowned, and Harris' Sparrows; Dark-eyed Junco, Red-winged Blackbird; Eastern and Western Meadowlarks; Yellow-headed Blackbird, Common Grackle, Brown-headed Cowbird [N]; Orchard and Northern Orioles; Pine Siskin, and American Goldfinch.

## A MISSISSIPPI KITE IN HALL COUNTY, NEBRASKA

The Mississippi Kite (*Ictinia mississippiensis*) is considered extremely rare in Nebraska, with only 8 spring records and 2 fall records (Johnsgard, P.A., 1980, A revised list of the birds of Nebraska and adjacent Plains States, Occasional papers of the N.O.U., No. 6, Lincoln, Nebraska, 114 pp.). On 10 July 1983, at 12:30 CDT, we sighted an adult Mississippi Kite circling above a flooded native hay meadow on Shoemaker Island, Hall Co. (Sec. 1, T9N R11W). The bird was identified by its frosted head and secondaries, pearly gray back and underside, and black retrices. It is believed this Kite was attracted to the area because of the recent flooding of the Platte River. This represents the first record in Hall Co., and the first summer record in Nebraska.

— Gary R. Lingle and Kari L. Haugh, *The Platte River Whooping Crane Trust*,  
2550 N. Diers Avenue, Suite H, Grand Island, Nebraska 68801

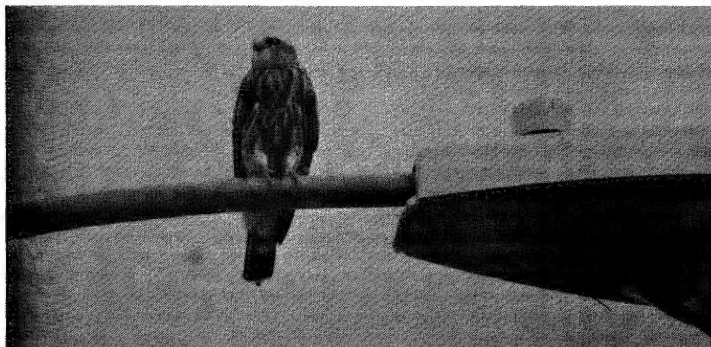
MISSISSIPPI KITES. On 3 September 1983 Norris Alfred and I observed four Mississippi Kites. Three were in the east end of Aurora, near the golf course. There were all immatures, and they had been seen and identified by the William Whitneys of Aurora, Gary Lingle of Grand Island, and others, and reported to Norris. The wind was strong out of the south the day we were there and the birds would circle to the north of us and then glide back over us very low into the wind, sometimes hardly moving. This afforded us a very good opportunity to observe them at close range for identification markings. One bird had something in one talon and fed on it occasionally, but we couldn't tell what it was. After watching the birds for quite some time we drove back to Polk, and as we were getting out of the car I noticed a bird soaring over the east end of town that resembled the Kites we had just seen. After watching it for a while we could see that it also was an immature Mississippi Kite. Since we had never seen one in this area before we were very surprised to find four in one day, at two separate locations. The Kites in Aurora had been there for over a week; I don't know how long the one had been at Polk.

— Lee Morris, Rte. 1, Box 14, Benedict, Nebraska 68316

About 10:45 AM on 4 September 1983 we saw an immature Mississippi Kite sitting on a power line on the north side of Gifford Road, at the intersection with Child's Road. For approximately 15 minutes we observed it from a distance of 50-100 feet, while it was sitting or hunting insects.

It was about the size of a Cooper's Hawk. It had pearl-gray feathers on the face and neck, except for a wide white eyebrow and white in the middle of the throat and around the beak. It had a yellow cere, and a dark, hooked beak. There was heavy brown streaking on the breast and belly. Undertail coverts were buffy. It had white feathering on the legs. Feet were flesh colored. The top of the wing was slate-gray and the primaries were black. The tail had about 1½ inch dark terminal band. When the bird was sitting the wings extended slightly beyond the tip of the tail.

In flight the tail showed brown banding underneath, separated by narrow white bands. The wing showed light brown linings, contrasted with dark brown in secondaries and primaries. The shape of the wings in flight was long and pointed, falcon-like. The flight was very graceful.



The Kite seemed unconcerned by human activity. Several cars and trucks passed under the light pole on which it was sitting. It then flew across the road to catch a large insect in the air, and then landed on another light pole, about 200 feet north of the intersection. It ate the insect, which appeared to be a cicada, while sitting on the pole and holding it in its talons.

Fortunately we were only a few blocks away from Fontenelle Forest Nature Center, and were able to get Bob Fluchel to come and photograph the bird. He arrived at this time and began taking photographs. After a few minutes the bird circled overhead a couple of times and headed north until it was out of sight.

— Babs and Loren Padelford, 1405 Little John Road, Bellevue, Nebraska 68005

## NOTES

**CORRECTIONS TO NBR 51:18.** On line 8 of page 18 of the March 1983 Bird Review the number of parties for North Platte should be 3, rather than 30. At the bottom of the page, the Olivaceous Cormorant was taken at Sutherland, Lincoln County (Lincoln was left out).

**MORE ON THE A.O.U. CHECKLIST.** The 6th Edition of the *A.O.U. Checklist* has been released, and some of the loose ends in the previous report on it (*NBR 50:74*) can now be tied up. The Crested Tinamou (no Elegant) is listed in Appendix D — introduced species, either not established or not sufficient importance to be included on the hypothetical list (Appendix B). Mexican Duck is included with Mallard because of extensive hybridization. The Japanese Quail (*Coturnix japonica*) is listed because it is established in the Hawaiian Islands (which were not included in the 5th but are included in the 6th Edition). The Common Quail (*Coturnix coturnix*), which was introduced in Nebraska, apparently has not been successfully introduced anywhere in North America. The Screech-Owl complex is discussed in Marshall (1967, W. Found. Vertebr. Zool. Monogr., no. 1, pp. 1-72): The eastern edge of the Western Screech-Owl's distribution is northern Idaho, western Montana, southeastern Colorado, and extreme western Oklahoma. Gray-headed Junco has been included with Slate-colored, but the book provides distribution data for each of three groups (Slate-colored, White-winged, and Gray-headed). The Rosy Finches have been merged with an Asiatic form, but the North American forms have been treated like the Juncoes: distribution data is given for each of Gray-crowned, Black, and Brown-capped Rosy Finch groups.

**MINDEN NOTES.** Some Pine Siskins were included with the usual winter birds at feeding stations. Mrs. Michael Bunder had some House Finches in her yard, and a Pygmy Nuthatch was seen from 20 January to 20 April, 1983. Two or three Brown Creepers were noted in the Minden area, also. On 23 February, southeast of town but still in Kearney Co., I saw thousands of the blue morph of Snow Geese with only one white morph among them. I saw my first geese on 15 February, maybe 300-400 of what I took to be White-fronted, flying north. My first Purple Martin

was heard about 20 April, and one seen 2 May. Northern Orioles and House Wrens appeared the first week of May. On 7 May I observed Harris', White-crowned, Clay-colored, and Savannah Sparrows and Northern Rough-winged and Barn Swallows. On 10 May I saw my first Red-headed Woodpecker, and on 11 May I heard Warbling Vireo and Orchard Oriole calls.

— Harold Turner, P.O. Box 333, Minden, Nebraska 68959

**TOWER KILLS.** The weather system in mid-September 1982 was a slow-moving cold front that stalled out along the Nebraska-Missouri border and produced 5 windy, rainy, cloudy nights that were hard on migrants. From 12 to 16 September I picked up 320 casualties at the KCNA-TV tower, east of Albion. There were 42 species, including Least Bittern\*; Virginia, Sora, and Yellow\* Rails; Solitary Sandpiper, Mourning Dove, Black-billed Cuckoo, Traill's Flycatcher; House, Sedge, and Marsh Wrens; Gray Catbird; Swainson's and Gray-cheeked Thrushes; Ruby-crowned Kinglet; Yellow-throated\*, Solitary, Red-eyed, and Warbling Vireos; 16 Warblers Yellow, Black-and-white, Tennessee, Nashville, Magnolia, Black-throated, Green, Blackburnian, Ovenbird, Northern Waterthrush, Mourning, MacGillivray's, Common Yellowthroat, Yellow-breasted Chat\*, Wilson's, Canada, and American Restart; Bobolink; Yellow-headed and Red-winged Blackbirds; Orchard and Northern Orioles; and Savannah and Lincoln's Sparrows.

\*Specially notable.

— Wayne J. Mollhoff, 736 S. Third, Albion, Nebraska 68620

**SUMMER 1983 IN KEARNEY COUNTY.** A lone Great Blue Heron showed up early in August and stayed until about the end of September. A Shoveler was seen on a field pond 20 July and the others with it probably were the same. I saw only one covey of Bobwhites during the summer. On 30 September I saw my first Greater Yellowlegs in several years. Solitary and Spotted Sandpipers were here in late August and early September. I usually saw Upland Sandpipers as singles, but once saw about 6 together. Mourning Doves stayed through September. I heard a Yellow-billed Cuckoo call in Minden 18 June — the only record of this species this year. Red-headed Woodpeckers and Flickers were present. Purple Martins first became noticeable about mid-April, but then apparently were rather scarce, and were last noted about 10 August. Quite a congregation of Cliff Swallows showed up in mid-September. I saw Barn Swallows as late as 21 September. Blue Jays were present, White-breasted Nuthatches were seen occasionally, and House Wrens were fairly regular. A Sprague's Pipit showed up 30 September. Cardinals were regular. Blue Grosbeak calls were heard 20 July and on one or two later trips. By mid-August Savannah Sparrows were present. Grasshopper Sparrows were also present, and about 20 July I saw an immature at very close range. I saw Orchard Orioles the same day.

My brother Elwin, who lives in Adams Co., had a Cooper's Hawk in his area this season and, probably early August, found a Grasshopper Sparrow's nest with 3 eggs and 1 chick.

— Harold Turner, P.O. Box 333, Minden, Nebraska 68959

**RED-BREASTED MERGANSERS.** I saw 9 male and 2 female Red-breasted Mergansers on Crystal Cove (a borrow pit at the junction of US 77 and I-29, in South Sioux City) yesterday and today (1 April 1983). They were reported as early as 23 March.

— Bill Huser, 319 W. 17th St., South Sioux City, Nebraska 68776

**OSPREY.** An Osprey sat on a tree on my skyline for about an hour, eating a fish, on the evening of 26 April 1983. I ran out to look during the ads on the 5:00 PM news. It was there from about 4:45 to about 5:45.

— Doris Gates, Route 1, Box 25, Chadron, Nebraska 69337

**AVIAN TUBERCULOSIS IN A RED-TAILED HAWK.** On 16 Aug. 1978, I salvaged a Red-tailed Hawk (*Buteo jamaicensis*) that had been road killed on U.S. highway 34, 1 km east of Holbrook, Furnas Co., Nebr. While preparing the bird as a study skin, I noticed that the bird was diseased. The bird was thin but not starving, with the keel protruding 3.4 mm. The liver was nearly twice the normal size and both it and the heart were filled with pale-colored, granulomatous nodules 2-6 mm in diameter. Since I had encountered this condition in a raptor before (Mollhoff, Wilson Bull. 88:505, 1976), I preserved the liver in 70% ethanol for further study.

I submitted the liver as a tissue sample to a histology lab for diagnosis. A diagnosis of infection of *Mycobacteria* sp. was made, based on demonstration of characteristic morphology and staining with acid-fast stain. Identification to species level was not attempted because the apparatus necessary to work safely with this group of organisms was not available at the lab where I work.

Other information concerning this specimen is as follows: The bird was an adult male weighing 820 gm. and in very worn plumage. The only evidence of molt was 2 new rectrices. The crop contained the remains of Prairie Vole (*Microtus ochrogaster*) and a Plains Garter Snake (*Thamnophis radix*) 38 cm in length. The stomach held the partially digested remains of another garter snake (*Thamnophis* sp.) that was 50-75% larger than the one in the crop. The habitat in the area was a mixture of open farmland and native mid-grass prairie with some riparian woodland nearby along the Republican River.

The bird has been placed in the vertebrate biology collection at Wayne State College, Wayne, Nebr. 68787; catalog accession no. 460.

Special thanks go to Dr. Wilber A. Haynes, DVM, DO, of Midwest Clinical Laboratories, Omaha, Nebr.

—Wayne J. Mollhoff, 736 S. Third, Albion, Nebr. 68620

**HARLAN'S RED-TAILED HAWK.** A dark-phase Harlan's Red-tail (*Buteo jamaicensis harlani*) was found in a severely weakened condition on 3 April 1983, 1.5 m. south, 3 m. west of Petersburg, Boone Co., Nebraska, by Belle Esau. She approached the bird and, upon finding it too weak to fly, she picked it up, took it home, and placed it in a covered outdoor pen. She called me to confer about it. I went and took pictures that day. She force-fed the bird with hamburger. It was too weak to offer resistance and seemed to lack proper coordination and balance. She kept it and fed it until 7 April, when she brought it to me. At that time it was regaining strength and becoming difficult for her to handle. I fed it some mice, shrews, and small birds from my freezer until 10 April, at which time I took it out to the edge of the sandhills to take more pictures.

I tethered it to a dead snag with some string, and while I was getting my camera ready, it broke the string and flew off before I got a single picture. It seemed to fly well, and landed (with apparently adequate coordination) in a cottonwood, about 400 meters away. I ran over to flush it again to see if it could repeat the flight. This time it flew away, going southwest, out of sight. After much searching I found it (or another with identical markings) 2.5 hours later and 4.5 miles southwest of the point of escape. It was observed for about 15 minutes with a spotting scope, and when I flushed it an obviously extended crop was easily visible, indicating that it had been hunting successfully.

It's lack of balance, strength, and coordination when it was first found made me think it must have been suffering from insecticide/pesticide poisoning, and I didn't expect it to recover. I thought it more likely that it was starving as a result of lack of coordination (from the effects of poison), rather than merely from poor hunting. It appeared to recover simply by being fed, making it appear to be a simple case of starvation. At any rate, it seemed to have recovered.

—Wayne J. Mollhoff, 736 S. Third, Albion, Nebraska 68620

**MERLIN.** On the weekend of 19 April 1983 we saw a male Merlin, about halfway between Grand Island and Kearney.

—Mark Brogie, 1120 Main Street, Wayne, Nebraska 68787

**PEREGRINE FALCON.** We saw 2 Peregrine Falcons 5 October 1982, near Fish Lake, 28 miles south and 2 east of Bassett, Rock Co. They flew ahead of the car, alighting on telephone poles, so we had good looks at them. We followed them for about a mile. John Jarosz, retired from the U. of Minnesota Museum, and Robert Jarosz were with me.

—Harvey L. Gunderson, 1200 Superior, Lincoln, Nebraska 68521

**GRAY PARTRIDGE.** Our nephew, Dan Osborn, has a ranch 14 miles north of Mullen in Cherry Co. During the week of 28 January 1983 he saw a Gray Partridge in his shelter belt. He got a good look at the rusty spot on the belly and the face markings, and the rufous tail as it flew away. He said it acted tired and perhaps blew in from South Dakota on some of the strong north winds.

—Wilma Wyman, 1401 East Second Street, North Platte, Nebraska 69101

**SOUTH SIOUX CITY.** I am fortunate enough to live a few blocks from an old oxbow of the Missouri, which fills up with water in the spring. And this spring it has much more water than usual and hence covers much more area. So far, I've had the excitement of seeing Soras, Virginia Rails, Northern Waterthrushes and one of the Marsh Wrens, all of which have eluded me for too long. On 15 May 1983 I saw a Sharp-tailed Sparrow.

— *Bill Huser, 319 W. 17th St., South Sioux City, Nebraska 68776*

**SANDHILL CRANES.** On the weekend of 19 April 1983 we saw a partial albino Sandhill Crane. The bird had a white body and neck, and partially white and gray wings, giving the wings a mottled appearance. The bird was on the outskirts of the flock and was often chased by Cranes of normal appearance. It had normal head coloration.

— *Mark Brogie, 1120 Main Street, Wayne, Nebraska 68787*

On 2 April 1983 Bill Lemburg, Mrs. Cortelyou, and I saw a Sandhill Crane with a stiff white neck collar, and a shorter stiff white leg band on the upper right leg. This was from US 281, a mile or so south of I-80.

— *R.G. Cortelyou, 5109 Underwood Avenue, Omaha, Nebraska 68132*

**PIPING PLOVERS AND LEAST TERNS.** On 15 May 1983, near the headgate of the Loup irrigation canal, where it leaves the Loup River, 3 m. south and 4 m. west of Genoa, Nance Co., Nebraska, I found Piping Plovers and Least Terns. Both were using the temporary sandbars left where the dredging operation dumped the sand. I found a Piping Plover nest on 5 June and another on 4 July. The first had 4 eggs, the second had 5 eggs. On 4 July I also found a Least Tern nest with 2 eggs. I was unable to return to check for nesting success. It is a hazardous nesting area for both species, due to the constantly changing dredging operations, numerous raccoons in the area, and frequent use of the area for recreational use of motorcycles, three-wheelers, etc. I did not have a chance to check the adjacent Loup River for nesting by either species.

— *Wayne J. Mollhoff, 736 S. Third, Albion, Nebraska 68620*

**PIPING PLOVER NESTS.** Barbara Wilson and the Padelfords have an article in *Iowa Bird Life* (53:69) September 1983 on two Piping Plover nests they observed at the Iowa Power and Light Company settling ponds, south of Council Bluffs, Iowa, and just across the Missouri River east of Fontenelle Forest. One nest, found 6 June 1983, had 4 eggs but was abandoned by 16 June. The nest of another pair was found 11 June and hatched 3 young on 22 June. At least one of the chicks survived to 21 July.

**MOUNTAIN PLOVER.** I was searching for Mountain Plovers in western Kimball Co. on 13 July 1983. I found one adult with three young in a short-grass pasture 3 to 4 miles north of Highway 30, 1 mile east of the Nebraska-Wyoming border. The pasture contained grazing cattle, and the birds were foraging near the herd. The young were less than half grown; the black spots of the downy plumage were easily visible on their heads and backs.

— *Terry A. Cox, M.D., 5419 Western Avenue, Omaha, Nebraska 68132*

**BURROWING OWL.** As Don and I were driving through Valentine NWR near dusk on 4 July 1982 our attention was drawn to a bird near the road. It was hovering in the manner of an American Kestrel, but in size and shape more resembled a Burrowing Owl. It would hover for a few seconds, fly 20 feet or so, and hover again. Eventually it landed on a haybale and we were able to confirm that it was a Burrowing Owl. Although it is mentioned in Bent, I had not witnessed this behavior before.

— *Tanya Bray, 9708 Grover, Omaha, Nebraska 68124*

**TREE SWALLOWS.** On 15 May 1983 I found a colony of nesting Tree Swallows, near the headgate of the Loup irrigation canal, where it leaves the Loup River, 3 m. south, 4 m. west of Genoa, Nance Co., Nebraska. The Swallows were nesting in dead snags standing in the shallow water of the settling basin, where sand was being dredged from the canal. The nests were mostly from 15-30 feet above the water, and I estimated a minimum of 30-50 nesting pairs, although it could be a much higher number.

— *Wayne J. Mollhoff, 736 S. Third, Albion, Nebraska 68620*

**FEWER CROWS AT HOLDREGE.** Last year (early 1982) up to 100,000 Crows were estimated to be at Holdrege (*NBR* 50:47). An estimated 25,000 were present in December 1982, but the Christmas ice storm seemed to discourage them and it was not anticipated that the number would get much greater.

**BIRD BANDING RETURNS.** These birds were banded at the Chet Ager Nature Center, Lincoln. A Black-capped Chickadee banded by Dr. Esther Bennett 2 September 1974 was recovered by me 3 May 1978, 24 March 1979, 9 April 1980, 14 March 1981, and 18 April 1983. A Common Yellowthroat, banded 17 June 1977 by Hazel Diggs, was recovered by me 13 May 1980, 14 May 1981, and 19 May 1982. And an Orange-crowned Warbler, banded by me 22 September 1980, was recovered 1 February 1981 in El Gde, Gto., (Guanajuato?), Mexico.

— Mabel Ott, 2718 So. 33rd St., Lincoln, Nebraska 68506

**WAYNE COUNTY.** I saw a couple of unusual birds this fall in the shelter belt on the Keith Erickson farm, 8 m. north and 1 m. west of Wayne. On 17 September 1983 I got to within 10 feet of a Northern Mockingbird, which was in thick cover. On 8 October I saw a female Black-throated Blue Warbler, which stayed around long enough for Mark and Ed Brogie and Layne Johnson to come out and see it. I saw the white wing spot, the dark cheek, eye stripe, and the half moon under the eye.

— Mark Erickson, RR 2, Wayne, Nebraska 68787

**PIPITS AND LONGSPURS.** On our way home from the 1983 Halsey meeting Ray Korpi and I took the road from Purdham to Brewster, along the North Loup, and saw Water Pipits and Chestnut-collared Longspurs (25 September 1983)

— Russ Benedict, 303 Orchard Drive, Bellevue, Nebraska 68005

**NORTHERN SHRIKE.** Tanya Bray, Sandy Kovanda, and I saw a Northern Shrike on 24 February 1983 at DeSoto Bend NWR, on the Nebraska side.

— Babs Padelford, 1405 Little John Road, Bellevue, Nebraska 68005

**LOUISIANA WATERTHRUSH.** On 14 July 1983 a Louisiana Waterthrush found its way into Perry Center on the Doane campus. Here is how we got the bird out of the building: I held a stick about two feet long and invited the bird to hop on it. When it accepted my invitation I carried the stick and bird slowly to the door and out onto the steps. For several minutes I stood there, holding the stick with the bird on it, and talking to two staff members who were helping me (or was I helping them? — they saw the bird first) get the bird out of the building. The bird just sat there on the stick, occasionally closing and opening its eyes, until it finally flew off in the direction of the Doane Lake.

— Mildred Gross, 945 Longwood Drive, Crete, Nebraska 68333

**HOODED WARBLER.** On 17 June 1982 our cat carried into our backyard an adult male Hooded Warbler in full breeding plumage. Our house is at the south edge of town near Chadron State College. There are plenty of large trees and understory shrubbery in this part of town and it is very likely that the bird was caught somewhere within a three block radius of our house. The Hooded Warbler is listed in the *Field Checklist for Birds of the Nebraska Pine Ridge Area* as being only an occasional migrant. The plumage of this bird at the time of year suggests that it may have been attempting to breed in the Chadron area. This specimen has been turned over to Dr. Randy Lawson in the Department of Biological Sciences at Chadron State College.

— George E. Probasco, 926 Bordequex St., Chadron, Nebraska 69337

**SONG SPARROW.** On 19 May 1983 I flushed a Song Sparrow from a nest containing 5 eggs. The nest was near the banks of Beaver Creek, 1 m. south and 2 m. east of Albion, Boone Co., Nebraska. It was a cup of dead grass, lined with fine roots, with the rim of the nest 1 inch above ground level. It was placed in a clump of brome grass, about 2 inches tall, in an area of clumps of grass interspersed with bare sand, shorter grass, willow brush, cottonwood and ash trees.

When I visited the nest again on 3 June there were 4 or 5 young, almost completely feathered. I didn't try to get an accurate count because I didn't want to approach the nest any closer, because of the frequency of raccoon, mink, opossum, and skunks in the area.

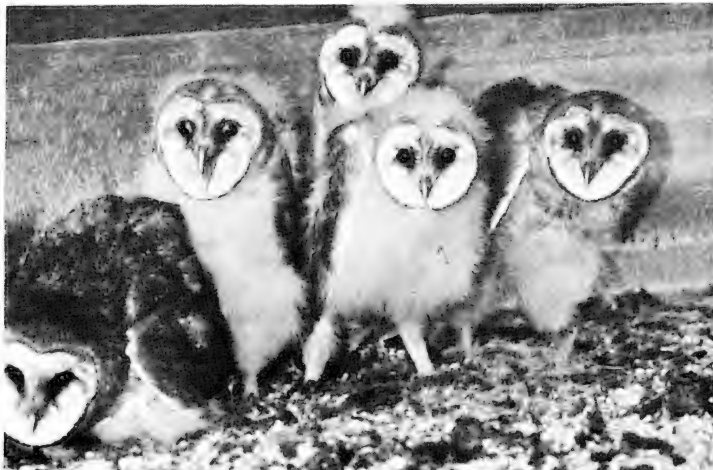
On 10 June I found the adults apparently tending young in some dense undergrowth about 30 feet away, but I couldn't find the young. I later collected the nest for Wayne State College.

— Wayne J. Mollhoff, 736 S. Third, Albion, Nebraska 68620



**HOUSE FINCH NEST AT GRAND ISLAND.** On 24 May 1983 we noticed House Finches, and on 30 April they started nesting in a white spruce. Gary Lingle checked the tree 5 May and flushed the bird from the nest. He didn't check any further for fear of spooking the birds. The nestlings could be heard 26 May, and on 31 May Gary determined that there were 3 nestlings. On 3 June Dennis Grundman took a picture of the young — he thought there were only 2 — in the nest. He had only an hour and the adults didn't show. The birds were the orange variant, shown in Peterson's new guide. The birds were very vocal before they started to nest, but very secretive afterwards.

— Vera Coons, 20 Chantilly, Grand Island, Nebraska 68801



*Young Barn-Owls in a grain bin north of Archer, Merrick County, photographed by Dennis Grundman, Grand Island, in early July, 1983.*

## INDEX TO VOLUME 51

- Accipiter sp. 15, 66, 89  
 Adcock, Cash 78  
     Dorothy 18, 78  
 Albino, partial 94  
 Alexander, George 17  
     Irene 17  
 Alford, Sharon 77, 84  
 Alfred, Norris 90  
 Allison, Mary, and family 78  
 Analysis of Winter Long-eared Owl  
     Pellets from Lancaster County,  
     Nebraska, An 79  
 Anderson, Denise 14  
     Mardi 14  
 Ash, Green 52(2), 54(2), 55, 59  
 Athen, J. 88  
 Avocet, American 6, 46, 69  
 Badberg, Herman 14  
     Leola 14  
 Bales, Tanya 3, 77  
 Banghart, Mary Ann 14, 18, 78  
 Barn-Owl, Common 7, 29, 39, 47, 51,  
     71, 96  
 Bassett, Mrs. Oona 3, 27, 77  
 Basswood 52  
 Baumfalk, Scott 14  
 Bedell, Paul 27  
 Benedict, Russell 3, 18, 66, 95  
 Bennett, Dr. Esther V. 95  
     1982 Nebraska Nesting Survey 26  
 Berry, buffalo 38  
 Bigelow, Lucile 18  
 Birch, white 44, 52  
 Birkmann, Marjorie 14  
 Bittern, American 4, 23, 35, 36, 43,  
     45, 67, 84  
     Least 4, 26, 36, 45, 67, 92  
 Blackbird, Brewer's 13, 17, 77  
     Red-winged 13, 17, 23, 26, 32, 35,  
     37, 42, 50, 63, 76, 80(2), 90, 92  
     Rusty 13, 17, 77  
     Yellow-headed 13, 23, 26, 32, 35,  
     37, 43, 50, 77, 90, 92  
     sp. 17  
 Bleed, Ann 17  
 Eliese, John C. W. 14  
     Margaret 14  
 Bluebird, Eastern 10, 16, 31, 37, 41,  
     48, 51, 52, 53, 73, 77, 90  
     Mountain 3, 10, 51, 73  
 Bluestem, little 54  
 Bobolink 13, 27, 32, 37, 42, 50, 76,  
 Bobwhite, Northern 6, 14, 16, 26, 29,  
     36, 38, 46, 52, 62, 69, 92  
 Bolz, Lydia 14, 18, 78  
 Book Reviews 78, 86  
 Box elder 88  
 Brashear, Joyce 14, 18, 78  
 Bray, Don 94  
     Tanya 3, 14(2), 18(2), 27(2), 66,  
     77, 94, 95  
 Breeding Status of Selected Bird  
     Species in the Niobrara Valley  
     Preserve Area 52  
 Bright, Duane 66  
 Brill, Naomi 17  
 Brogie, Ed 27, 51, 95  
     Mark 26, 27(3), 93, 94, 95  
         Spring and Summer Birds of the  
         Niobrara Valley Preserve Area,  
         Nebraska: An Annotated  
         Checklist 44  
         Breeding Status of Selected Bird  
         Species in the Niobrara Valley  
         Preserve Area, Nebraska 52  
 Brome, smooth 79  
 Brown, Ben 27, 51, 57  
     George W. 14  
     Marian G. 14  
 Buckbrush 42  
 Buffett, Mrs. Fred 66  
 Bufflehead 5, 63, 68  
 Bulrush 52, 60  
 Bunder, Mrs. Michael 91  
 Bunting, Indigo 12, 26, 27, 31, 37,  
     42, 49, 54, 75, 90  
     Lark 12, 27, 32, 37, 42, 50, 63, 76  
     Lazuli 12, 49, 54, 75  
 Buteo sp. 15  
     Canada 63(2), 64  
     Canvasback 5, 63(2), 68, 89  
     Cardinal, Northern 12, 17, 26, 31, 49,  
     52, 53, 63, 75, 80(2), 90, 92  
     Carlson, D. E. 27(10)  
     Carp 83  
     Cary Mikel 14  
 Catbird, Gray 10, 26, 31, 37, 41, 48,  
     73, 90, 92  
 Cattail 52  
 Cedar, red 54, 55, 56, 57, 59, 60, 79,  
     86  
 Chat, Yellow-breasted 3, 11, 37, 41,  
     49, 75, 92  
 Chickadee, Black-capped 9, 16, 26, 31,  
     37, 41, 48, 62, 72, 90, 95  
 Chisholm, Graham 18  
 Chokecherry 38, 54, 57  
 Christmas Count, 1982 14, 84, 90  
 Chuck-will's-widow 71, 83, 86  
 Churchill, Steven 27, 51  
 Cicada 91  
 Clarke, Kelly 18  
 Clausen, Mary 27, 51  
 Cochran, Cindy and David 17  
 Collins, Robert A Winter Roadside  
     Survey of Hawks in Eastern Nemaha  
     County, Nebraska 19  
 Colsons, the 77  
 Conway, James 14, 18  
 Coons, Vera 14, 77, 88, 96  
 Coot, American 6, 22, 26, 27, 29, 35,  
     36, 38, 46, 63(2), 69, 89  
 Coralberry 42  
 Cormorant, Double-crested 4, 23, 26,  
     27, 28, 45, 63(2), 67  
     Olivaceous 18, 91  
 Corn 56

- Cortelyou, R. G. 3, 26, 27(2), 66, 94  
 Mrs. R. G. 94  
 Cottontail, Eastern 80(2), 81  
 Cottonwood 38, 52, 55, 56, 79, 88  
 Counties  
   Adams 3, 64, 66, 84, 92  
   Banner 26  
   Blaine 95  
   Boone 3, 66, 92, 93, 95  
   Box Butte 19, 26  
   Boyd 26, 37  
   Brown 26, 33, 37, 44, 52, 64(2)  
   Buffalo 14, 27, 93  
   Cass 26, 27, 66  
   Cedar 27  
   Chase 27, 66, 67, 77, 84  
   Cherry 27, 33, 35, 44, 52, 62, 89, 93, 94  
   Clay 64  
   Custer 27, 83  
   Dakota 66, 94  
   Dawes 27, 66, 67, 77, 92, 95  
   Dawson 27, 64, 83  
   Dixon 27  
   Dodge 27  
   Douglas 3, 14, 15, 24, 27, 66  
   Franklin 27, 83  
   Frontier 27  
   Furnas 27, 83, 92  
   Garden 27, 83  
   Gosper 27, 64  
   Hall 3, 14, 27, 63, 67, 83, 88, 90, 94, 96  
   Hamilton 90  
   Hitchcock 67, 77  
   Holt 24, 27, 37, 64  
   Howard 3, 67  
   Johnson 27  
   Kearney 84, 91, 92  
   Keith 27  
   Keya Paha 27, 33, 37, 44, 52  
   Kimball 94  
   Knox 27, 33, 37  
   Lancaster 3, 14, 26, 27, 67, 79, 83, 95  
   Lincoln 3, 15, 18, 27, 63, 67, 91(2)  
   Logan 83  
   McPherson 3, 27, 67  
   Merrick 27, 96  
   Morrill 27  
   Nance 94(2)  
   Nebraska 19, 23, 24, 27, 83  
   Otoe 15, 66, 78  
   Perkins 27  
   Phelps 95  
   Platte 23  
   Polk 90  
   Red Willow 27  
   Rock 37, 64, 93  
   Saline 95  
   Sary 3, 15, 27, 63, 66, 90  
   Saunders 4, 26, 27, 86  
   Scotts Bluff 4, 15, 27, 67, 78  
   Sheridan 33, 67, 77  
   Sioux 27, 33, 67(2), 77, 78  
 Counties, continued  
   Thomas 27, 35, 89  
   Washington 4, 14, 84, 95  
   Wayne 89, 95  
   York 22, 23, 24, 27, 83  
 Cowbird, Brown-headed 13, 17, 26, 37, 43, 50, 63, 77, 90  
 Cox, Terry 3, 18, 66, 77, 94  
 Coyote 18, 60  
 Crane, Sandhill 6, 46, 63(2), 69, 94  
   Whooping 51(2), 64, 83  
 Creeper, Brown 9, 16, 27, 31, 48, 55, 73, 91  
 Crossbill, Red 13, 50  
 Crow, American 9, 16, 26, 30, 41, 48, 62, 72, 90, 95  
 Cuckoo, Black-billed 7, 27, 29, 39, 47, 62, 71, 90, 92  
 Yellow-billed 7, 29, 39, 47, 62, 71, 90, 92  
   sp. 7, 71  
 Cunningham, Harold and Marie 3, 18, 77  
 Curlew, Long-billed 6, 27, 29, 36, 47, 53, 63, 70  
 Denny, Mary 66  
 Dickcissel 12, 26, 31, 37, 42, 43, 49, 61, 75  
 Diggs, Hazel 95  
 Dinan, J. J. 26(2), 27(12)  
 Dove, Mourning 7, 14, 16, 26, 29, 36, 39, 47, 62, 63, 71, 90, 92(2)  
   Rock 7, 16, 26, 27, 29, 47, 71, 90  
 Dowitcher, Long-billed 7, 47, 63, 70  
   Short-billed 7, 70  
   sp. 7, 23, 26  
 Ducey, James 3, 18, 26, 27(9), 66  
 Analysis of Winter Long-eared Owl  
   Pellets from Lancaster County,  
   Nebraska, An 79  
 1903 Birding Expedition in Cherry  
   County, Nebraska, A 35  
 Notes on the Birds of the Lower  
   Niobrara Valley in 1902 as Recorded  
   by Myron H. Swenk 37  
 Select Birding Areas of the Niobrara  
   River Region 33  
 Some Birds of Anderson Bridge  
   Wildlife Management Area in Cherry  
   County, Nebraska 62  
 Duck, American Black 4, 15, 18, 67  
   Mexican 91  
   Ring-necked 5, 15, 63, 68  
   Ruddy 5, 14, 15, 23, 26, 27, 28, 36, 46, 63(2), 68, 89  
   Wood 4, 15, 26, 28, 45, 52(2), 62, 63(2), 67, 82, 89  
   sp. 15, 27  
 Dunlin 7, 26, 70  
 Dunn, Roger 27, 51  
 Eagle, Bald 5, 15, 46, 51, 63, 68  
   Golden 5, 15, 28, 46, 54, 69  
   sp. 15  
 Earnst, Sue 27, 51  
 Egshoff, Franklin 27, 51  
   Fred 27, 51

- Egelhoff, continued  
 Marla 27, 51  
 Richard 27, 51, 56  
 Egret, Cattle 4, 23, 27, 28, 66, 67, 78, 83  
   Great 4, 67  
   Snowy 4, 67  
 Eilers, Julie 3  
 Einemann, Larry 77  
 Elm 55, 89  
 Empidonax sp. 72  
 Erickson, Mark 95  
 Esau, Belle 93  
 Falcon, Peregrine 6, 15, 38, 51(2), 59, 83, 93  
   Prairie 6, 15, 29, 46, 54, 62, 69 sp. 20  
 Field Day, Fall 1983 89  
 Finch, Cassin's 3, 13  
   House 13, 17, 27, 77, 91, 96  
   Purple 3, 13, 17, 18, 50, 63, 77  
   Rosy 91  
 Flicker, Northern 8, 16, 18, 26, 30, 36, 40, 48, 54, 62, 71, 90, 92  
 Fluchel, Robert 66, 91  
 Flycatcher, Acadian 8, 26, 66, 72  
   Alder 72  
   Great Crested 9, 26, 27, 30, 40, 48, 72, 84  
   Least 8, 26, 48, 51, 55, 72  
   Olive-sided 8, 26, 72  
   Scissor-tailed 48, 51, 72  
   Traill's 92  
   Willow 8, 26, 48, 72  
   Yellow-bellied 8, 90  
 Freeman, Craig 27, 51  
 Frisk, Charles 14  
 Frit, Doug 3, 18  
 Fushner, Bradley 17  
 Gadwall 4, 15, 26, 27, 28, 36, 45, 63(2), 68, 89  
 Garabrandt, Marg 3  
 Garthright, Wm. C. 3, 77  
 Gates, Doris 26, 92  
 Getscher, Ione 18  
 Giblin, Daryl and Margaret 17  
 Glatther, Jim 18  
 Gnatcatcher, Blue-gray 10, 27, 31, 73, 83  
 Godwit, Hudsonian 6, 70  
   Marbled 6, 26, 36, 63, 70  
 Goldeneye, Barrow's 63  
   Common 5, 15, 63(2), 68  
 Golden-Plover, Lesser 6, 69  
 Goldfinch, American 13, 17, 26, 27, 32, 37, 43, 50, 63(2), 77, 90  
 Goose, Canada 4, 15, 26, 45, 63, 67  
   Greater White-fronted 4, 15, 23, 50, 67, 91  
   Ross' 4, 15  
   Snow 4, 14(2), 15, 23, 50, 63, 67, 91  
 Goshawk, Northern 5, 15, 46, 68  
 Grackle, Common 13, 17, 26, 32, 37, 43, 50, 63, 77, 90  
   Great-tailed 13, 26, 32, 77  
 Grebe, Eared 27(2), 28, 36, 45, 63(2), 67  
   Horned 4, 36, 63(2), 67, 89  
   Pied-billed 4, 22, 26, 27, 28, 35, 36, 45, 63, 67, 89  
   Western 4, 27, 28, 45, 63(2), 67  
 Green, Ruth 3, 18, 26, 27(2), 63, 66, 77, 82, 88  
 Grennon, Alan 14, 18  
   Betty 14, 18, 66  
 Grier, R. 27  
 Grill, Erma 18  
 Grosbeak, Black-headed 12, 27, 31, 37, 41, 49, 54, 75, 90  
   Black-headed x Rose-breasted 3  
   Blue 12, 37, 41, 42, 49, 75, 84, 92  
   Evening 13, 50, 77  
   Rose-breasted 12, 26, 41, 49, 53, 75, 90  
 Gross, Everett W. 17  
   Mildred 17, 95  
 Crouse, Sharp-tailed 6, 27, 29, 36, 46, 61, 69  
 Grundman, Dennis 14, 88, 96(2)  
 Gull, Bonaparte's 70  
   Franklin's 7, 36, 39, 63, 70, 77  
   Herring 7, 16, 63(2), 70  
   Herring/Ring-billed 7, 66  
   Ring-billed 7, 16, 27, 36, 39, 47, 70, 90  
   sp. 23  
 Gunderson, Harvey 83(2), 93  
 Hackberry 54  
 Hagen, Chad 27, 51  
 Hahn, Kelli 27, 51  
   Lori 14  
 Harberg, Mary 18  
 Harrier, Northern 5, 15, 20, 23, 26, 36, 38, 46, 60, 62, 68, 89  
 Harvey, Mary 18  
   Sherry 18  
 Haugh, Kari L. see Kari L. Lingle  
 Hawk, Broad-winged 5, 20, 46, 68  
   Cooper's 5, 15, 20, 38, 46, 51, 59, 68, 89, 92  
   Ferruginous 5, 15, 20, 28, 36, 38, 43, 46, 51, 54, 69, 84  
   Red-shouldered 68  
   Red-tailed 5, 15, 19, 23, 24, 26, 28, 36, 38, 46, 62, 68, 88, 89, 92, 93  
   Rough-legged 5, 15, 20, 23, 46, 69  
   Sharp-shinned 5, 15, 20, 28, 46, 58, 59, 62, 68, 89  
   Swainson's 5, 15, 20, 23, 26, 28, 36, 38, 46, 60, 62, 68, 84, 89  
   sp. 20  
 Haynes, Dr. Wilber A. 93  
 Heckman, Alice 14  
   Jennifer 14  
   Justin 14  
 Helzer, Elsie 3, 66  
 Heron, Great Blue 4, 15, 27(2), 28, 38, 45, 51, 55, 62, 67, 84, 92  
   Green-backed 4, 26, 27, 28, 38, 45, 52(2), 67, 89  
   Little Blue 4, 26, 67

- Herzinger, Craig 17/18  
 Hoffman, Kris 14  
     Rev. Thomas A. S. J. 3, 14(2), 18  
 Hughson, David 78  
     Helen 18, 78(2)  
 Hummingbird, Broad-tailed 8, 71  
     Ruby-throated 8, 51, 53, 61, 71  
     Rufous 8  
     sp. 8  
 Huser, Bill, 66, 92, 94  
 Huxtable, D. 88  
 Ibis, Glossy 89  
     White-faced 23(2)  
 Iowa 18, 82, 94  
 Ironwood 52  
 Ivy, poison 56  
 Jay, Blue 9, 16, 26, 30, 37, 41, 48,  
     62, 72, 90, 92  
     Pinyon 9, 16, 72  
 Johnson, Chad 14  
     Clyde 3, 66  
     Emma 3, 26, 66  
     G. E. 27(2)  
     Madys 18  
     Layne 95  
     Dr. Norma 3, 27  
 Jorosz, John and Robert 93  
 Junco, Dark-eyed 13, 17, 50, 63(2),  
     76, 77, 90, 91  
 Kansas 64, 83(2)  
 Kantak, Gail 27, 51  
 Kawamoto, Eunice 14, 18  
     Joanne 18  
 Kenitz, Alice 14, 18, 27(2), 78  
 Kennedy, Mrs. Esther 3, 66  
 Kestrel, American 5, 15, 19, 26, 27,  
     28, 36, 38, 46, 62, 69, 89  
 Kieborz, Eva 77  
 Kiefer, Russell 27, 51  
 Killdeer 6, 26, 29, 36, 38, 39, 46,  
     62, 69, 84, 90  
 Kimball, Beverly and Kenneth 14  
 Kingbird, Cassin's 72  
     Eastern 9, 26, 30, 36, 40, 48,  
     62, 72  
     Western 9, 26, 30, 36, 40, 48,  
     62, 63, 72  
 Kingfisher, Belted 8, 16, 26, 30, 36,  
     40, 47, 62, 71, 90  
 Kinglet, Golden-crowned 10, 16, 48,  
     73, 90  
     Ruby-crowned 10, 48, 73, 90, 92  
 Kittiwake, Black-legged 70  
 Kirby, John An Analysis of Winter  
     Long-eared Owl Pellets from  
     Lancaster County, Nebraska 79  
 Kite, Black-shouldered 88  
     Mississippi 90  
 Kizirian, David 27, 51, 58(2)  
 Knott, Tom 18  
 Kollath, Jody and Val 66  
 Korpi, Ray 18, 83, 95  
 Kovanda, Jim 14, 18, 66  
     Sandy 14, 18, 66(2), 95  
 Kuhre, Becky 27, 51  
     Beryl 27, 51  
     Doug 51  
     Loring 27, 51  
 Labedz, Thomas 14, 88  
 Lark, Horned 3, 9, 16, 30, 36, 40,  
     48, 50, 62, 72, 90  
 Lastovica, Joan 66  
 Lemburg, Bill 94  
 Lingle, Gary 14, 26(2), 27, 83, 90, 96  
     A New Nesting Species for  
     Nebraska 86  
     Gary and Kari L.  
     A Mississippi Kite in Hall County,  
     Nebraska 90  
     A Second Black-shouldered Kite in  
     Nebraska, with Notes on Its Food  
     Habits 88  
 Lock, Ross 52  
 Longspur, Chestnut-collared 50, 76, 95  
     Lapland 13, 17, 76  
     McDow's 76  
     sp. 3  
 Loon, Arctic 63  
     Common 4, 63(2), 67  
 Magpie, Black-billed 9, 16, 30, 43,  
     48, 54, 72, 90  
 Mallard 4, 14, 15, 26, 28, 36, 45,  
     62, 67, 89, 91  
     x Wigeon 15  
 Marsh, Dorothy 3, 66  
 Martin, Carey 14  
     Purple 9, 26, 30, 53, 72, 84, 91,  
     92  
 Maslowski, Pete 18  
 Mason, Virginia 66  
 McDaniel, Len 27(2)  
 McEvoy, Betty and Louis 18, 77  
 Meadowlark, Eastern 13, 17, 26, 27,  
     53, 63, 66, 76, 90  
     Western 13, 17, 26, 32, 37, 42, 50,  
     63, 77, 90  
     sp. 13, 17, 76  
 Meeting, The Eighty-second Annual 25  
 Mellberg, Bruce 18  
 Mellin, Bee 14  
 Menke, Dave 14(2), 18  
 Merganser, Common 5, 15, 46, 63, 68  
     Hooded 3, 5, 14, 15, 38, 63, 68  
     Red-breasted 5, 36, 63, 68, 92  
 Merlin 6, 15, 20, 38, 50, 69, 89, 93  
 Mexico 95  
 Meyer, Jim 14  
 Miller, Gene and June 14  
 Mink 95  
 Minnesota 63  
 Mississippi Kite in Hall County,  
     Nebraska, A 90  
 Missouri 18  
 Mitten, Stephen 18  
 Mockingbird, Northern 3, 10, 49, 55,  
     73, 77, 95  
 Mollhoff, Wayne 3, 23, 66, 89, 92,  
     93(2), 94(2), 95

- Montgomery, Brad 14  
 Moody, Vonna Jo 84  
 Moorman, Steve 14  
 Morocco, Ralph 18  
 Morris, Lee 18, 23(2), 24, 27, 90  
     Rosalind 18, 27  
 Morton, Margaret 3, 18, 77  
 Mossman, Michael J. 27(3)  
     Spring and Summer Birds of the  
     Niobrara Valley Preserve Area,  
     Nebraska: An Annotated Checklist 44  
     Breeding Status of Selected Bird  
     Species in the Niobrara Valley  
     Preserve Area, Nebraska 52  
 Mouse, Harvest 80, 81(3)  
     House 80(2), 81(2)  
     White-footed/Deer 80, 81(3)  
 Mulder, Mr. and Mrs. Bill 18  
 Nagel, Harold 14  
 Neaderhiser, Wanda 18  
 Nelson, Cathy 3, 66  
 Nerud, Genevieve 18  
 Nesting Survey, 1982 Nebraska 26  
 Nests and nesting 23(2), 35, 36, 37,  
     38(4), 39(4), 40(4), 41 (12), 42(5),  
     43(2), 45, 52, 62, 84, 86, 89, 92,  
     94(4), 95, 96(2)  
 New Nesting Species for Nebraska, A 86  
 Nielson, Ella 3  
 Nighthawk, Common 8, 26, 27, 29,  
     36(2), 40, 47, 61, 62, 71, 90  
 Night-Heron, Black-crowned 4, 27, 28,  
     36, 45, 51, 63, 66, 67, 84  
     Yellow-crowned 67  
 1903 Birding Expedition in Cherry  
     County, Nebraska A 35  
 Notes on the Birds of the Lower  
     Niobrara Valley in 1902 as Recorded  
     by Myron H. Swenk 37  
 Nuthatch, Pygmy 9, 73, 91  
 Red-breasted 9, 14, 16, 27, 31, 48,  
     51, 54, 62, 73, 90  
     White-breasted 9, 16, 26, 31, 37,  
     48, 52, 53, 62, 63, 73, 90, 92  
 Oak, Bur 38, 52(2), 53, 59, 86  
 Oklahoma 64(2)  
 O'Leary, Michael 27, 51  
 Opossum 95  
 Oriole, Northern 13, 14, 26, 32, 37,  
     43, 50, 54, 63, 77, 90, 92(2)  
     Orchard 13, 26, 32, 37, 43, 50(2),  
     77, 90, 92(3)  
     Scott's 84, 89  
 Osborn, Dan 93  
 Osprey 5, 46, 62, 68, 89, 92  
 Ott, John 18  
     Mabel 3, 18, 77  
 Otto, Becky and Bill 66  
 Ovenbird 11, 26, 49, 51, 52, 53,  
     75, 92  
 Owl, Barred 8, 16, 26, 53, 66, 71  
     Burrowing 8, 27, 29, 36, 40, 47,  
     61, 62, 77, 84, 94  
     Great Horned 8, 16, 26, 29, 47,  
     62, 71, 83(2), 90  
 Owl, continued  
     Long-eared 8, 16, 29, 47, 60,  
     71, 79  
     Northern Saw-whet 8, 16  
     Short-eared 40, 51, 60, 71, 79  
     Snowy 71  
 Padelford, Babs 3(2), 14(2), 18(2), 27,  
     66, 77(2), 78, 91, 94, 95  
     Loren 3(2), 14(2), 18, 27(3), 66,  
     77(2), 78, 91, 94  
 Pankratz, Harland 89  
 Partridge, Gray 6, 24, 46, 51, 69, 93  
 Parula, Northern 11, 51, 53, 74  
 Paulsen, Debbie 27, 51  
 Pedersen, Tayce 18  
 Pelican, American White 4, 23, 36, 45,  
     63(2), 67  
 Pemberton, Cynthia 18  
 Pennington, L. Iola 27, 77, 84  
 Phainopepla 19  
 Phalarope, Wilson's 7, 36, 70  
     sp. 35  
 Pheasant, Ring-necked 6, 16, 26, 29,  
     46, 62, 69, 89  
 Phoebe, Eastern 9, 30, 48, 52, 53, 72  
     Say's 9, 36, 40, 48, 54, 62, 72, 90  
 Pine, ponderosa 44, 52, 54, 55(3), 56,  
     79  
 Pine Siskin Nests at Wayne State  
     College 89  
 Pintail, Northern 4, 15, 36, 45, 63,  
     67, 89, 95  
 Pipit, Sprague's 66, 74, 92  
     Water 10, 74, 95  
     sp. 90  
 Plover, Black-bellied 6, 69  
     Mountain 94  
     Piping 6, 27, 29, 38, 46, 51, 59,  
     69, 94(2)  
     Semipalmated 6, 46, 69  
 Plum, wild 38, 79  
 Poor-will, Common 8, 27, 30, 40, 47,  
     54, 71, 90  
 Poplar 79  
 Porcupine 56  
 Prairie-Chicken, Greater 6, 16, 27,  
     29, 36, 38, 46, 69  
 Price, Linda 14  
     Robert 14  
 Probasco, George 95  
 Pruess, Dr. Neva 3, 26, 77  
 Quail, Common 91  
 Raccoon 69, 95  
 Radford, Norma 14  
 Rail, Virginia 6, 36, 46, 69, 89,  
     92, 94  
     Yellow 6, 92  
 Rattlesnake 43  
 Ratzlaff, Neal S. 14, 66  
 Raven, Common 72, 78  
 Redhead 5, 36, 46, 63(2), 68  
 Redpoll, Common 13, 14, 17, 77  
 Redstart, American 11, 26, 41, 49, 52,  
     75, 90, 92

- Reitan, Ken 18  
 Report, 1982 Christmas Count 14, 84, 90  
   1982 (25th) Fall Occurrence 3, 63  
   1982 Spring Migration (addition) 63  
   1983 (58th) Spring Occurrence 66  
   1982 Treasurer's 2  
 Reynolds, Lou and Roland 14  
 Richter, Jean 18  
   Sue 18  
 Robin, American 10, 16, 26, 31, 37, 41,  
   48, 53, 62, 73, 90  
 Rose, B. J. 13, 66  
   wild 79  
 Rushton, Alice 3, 24, 66  
 Sanderling 6  
 Sandpiper, Baird's 7, 26, 36, 39, 47,  
   63, 70  
   Least 7, 39, 47, 70  
   Pectoral 7, 36, 39, 47, 70  
   Semipalmated 7, 26, 39, 47, 70  
   Solitary 6, 36, 39, 46, 69, 84,  
     92(2)  
   Spotted 6, 26, 27, 29, 36, 39,  
     47, 63, 69, 92  
   Stilt 7, 47, 70  
   Upland 6, 26, 27, 29, 36, 39, 47,  
     61, 62, 70, 92  
   Western 7  
   White-rumped 7, 36, 39, 70  
 Sapsucker, Yellow-bellied 8, 16, 71  
 Saunders, D. Andrew 14, 66  
 Scaup, Greater 5, 14, 15, 68  
   Lesser 5, 15, 36, 46, 63, 68  
   sp. 15  
 Schleicher, William 3, 27, 77  
 Schock, A. Jewell Pine Siskin Nests  
   at Wayne State College 89  
 Schupbach, T. 88  
 Screech-Owl, Eastern 8, 16, 29, 40,  
   47, 61, 62, 71, 90, 91  
 Second Black-shouldered Kite in  
   Nebraska, with Notes on Its Food  
   Habits, A 88  
 Select Birding Areas of the Niobrara  
   River Region 33  
 Shafer, Lisa 14  
   Lona 26  
 Shoestring (plant) 38  
 Shoveler, Northern 4, 15, 26, 36, 38,  
   45, 63(2), 68, 92  
 Shrew, Least 80, 81(2)  
   Short-tailed 80(2), 81(2)  
 Shrike, Loggerhead 10, 16, 26, 31, 41,  
   49, 61, 62, 63, 74  
   Northern 10, 16, 63, 74, 95  
   sp. 16  
 Shupe, Steve 23, 24, 83  
   Winter Roadside Survey of Hawks in  
   Eastern Nemaha County, Nebraska, 19  
 Silcock, Ross 14, 18  
 Silver, Leonard 14  
 Siskin, Pine 13, 17, 18, 50, 77, 89,  
   90, 91  
 Skunk 95  
 Snake, Plains Garter 93  
 Snipe, Common 7, 16, 36, 47, 51, 54,  
   70, 90  
 Snowberry 42  
 Soapweed 35  
 Sojda, Rick 14  
 Solitaire, Townsend's 10, 16, 48, 73,  
   90  
 Some Birds of Anderson Bridge Wildlife  
   Management Area in Cherry County,  
   Nebraska 62  
 Somerhalder, Carol 3, 77  
   Bert 77  
 Sora 6, 23(2), 26, 27, 46, 62, 69,  
   89, 92, 94  
 South Dakota 64(2), 83(2)  
 Sparrow, American Tree 12, 17, 49,  
   63(2), 76, 90  
   Baird's 12  
   Chipping 12, 26, 32, 37, 49, 63,  
     76, 90  
   Clay-colored 12, 26, 50, 55, 63,  
     76, 90, 92  
   Field 12, 26, 32, 37, 42, 50(2),  
     63, 76, 90  
   Fox 12, 17, 51, 76  
   Grasshopper 12, 26, 32, 37, 42,  
     50, 61, 63, 76, 84, 92(2)  
   Harris' 13, 17, 26, 37, 50, 76,  
     90, 92  
   House 13, 17, 26, 32, 43, 50,  
     77, 80(2)  
   Lark 12, 32, 37, 42, 50(2), 63,  
     76, 90  
   Le Conte's 12, 76  
   Lincoln 12, 17, 50, 63, 76, 84,  
     90, 92  
   Savannah 12, 37, 50, 63, 76, 84,  
     90, 92(3)  
   Sharp-tailed 76, 94  
   Song 12, 17, 26, 27, 42, 50, 54,  
     76, 90, 95  
   Swamp 12, 17, 37, 50, 55, 76  
   Vesper 12, 17, 37, 50, 63, 76, 90  
   White-crowned 13, 17, 50, 76, 90,  
     92  
   White-throated 12, 17, 50, 76, 90  
   sp. 17  
 Spikesedge 60  
 Spring and Summer Birds of the Niobrara  
   Valley Preserve Area, Nebraska: An  
   Annotated Checklist 44  
 Springer, Elaine 14  
   Joe 14  
 Spruce, blue 89  
 Starling, European 10, 16, 26, 31, 49,  
   74, 90  
 Starr, Robert 14  
 Stearns, S. 88  
 Stilt, Black-necked 83, 89  
 Stoffel, Mary Lou 66  
 Stoppkotte, George W. 3, 77  
 Sumac 54, 56, 79  
 Swallow, Bank 9, 26, 27, 36, 41, 60, 72  
   Barn 9, 26, 30, 36, 41, 48, 62, 72,  
     90, 92(2)

## Swallow, continued

Cliff 9, 26, 27, 30, 36, 48, 72, 92  
 Northern Rough-winged 9, 26, 30,  
 36, 41, 48, 62, 72, 92  
 Tree 9, 26, 40, 48, 51, 55, 63,  
 72, 94  
 Violet-green 72  
 Swan, Trumpeter 63  
 Tundra 4, 50, 67, 77  
 Swanson, Phil 18, 66  
 Swift, Chimney 8, 26, 27, 30, 40, 47,  
 71  
 White-throated 8, 71  
 Tanager, Scarlet 12, 27, 31, 41, 49,  
 52, 53, 75  
 Summer 12, 75, 78  
 Western 75  
 sp. 78  
 Taylor, Frances 18  
 Teal, Blue-winged 4, 26, 27, 28, 36,  
 45, 62, 63, 67, 89  
 Cinnamon 68  
 Green-winged 4, 15, 36, 45, 63(2),  
 67  
 Tern, Black 7, 26, 27, 29, 35(2), 36,  
 39, 47, 71  
 Caspian 7, 70  
 Common 47, 70  
 Common/Forster's 70  
 Forster's 7, 35, 36, 39, 47, 70  
 Least 7, 27, 29, 39, 47, 51, 59,  
 71, 94  
 sp. 23  
 Thomas, Chet 18  
 Doug 3  
 Doug G. 19  
 John 66  
 Thrasher, Brown 10, 14, 16, 26, 31,  
 37, 41, 49, 62, 73, 84, 90  
 Thrush, Gray-cheeked 10, 26, 73, 92  
 Hermit 10, 51, 73  
 Swainson's 10, 26, 51, 73, 90, 92  
 Varied 73  
 Wood 10, 26, 31, 41, 48, 52, 53,  
 62, 73  
 Tinamou, Crested 91  
 Titmouse, Tufted 9, 16, 73  
 Towhee, Green-tailed 76  
 Rufous-sided 12, 17, 26, 27, 32, 37,  
 42, 49, 50, 63, 76, 90  
 Tremaine, Dr. Mary 3  
 Tubbs, Priscilla 18  
 Tuman, Marycarol 27, 51  
 Turkey, Wild 6, 16, 27, 29, 46, 62,  
 66, 69, 89  
 Turner, Elwin 84, 92  
 Harold 83, 84, 92(2)  
 Turnstone, Ruddy 70  
 Two Additions to the Nebraska List 18  
 Upchurch, John 3  
 Veery 10, 73  
 Vireo, Bell's 10, 27, 31, 37, 41, 49,  
 74  
 Philadelphia 49, 74, 90  
 Red-eyed 10, 26, 27, 31, 37, 41,  
 49, 52, 53, 74, 90, 92

## Vireo, continued

Solitary 10, 26, 49, 74, 92  
 Warbling 10, 26, 31, 37, 41, 49, 74,  
 92(2)  
 White-eyed 10, 74  
 Yellow-throated 10, 51, 53, 61, 74,  
 92  
 Vodicka, Ray 18  
 Volden, Eric 14  
 Vole, Meadow 80, 88  
 Prairie 80, 93  
 sp. 80(2), 81(2)  
 Vulture, Turkey 5, 26, 27, 28, 36,  
 38, 46, 56, 62, 68, 89  
 Walker, Tom 14  
 Warbler, Bay-breasted 11, 26  
 Black-and-white 3, 11, 26, 41, 49,  
 52, 53, 75, 92  
 Blackburnian 11, 26, 74, 90, 92  
 Blackpoll 26, 49, 75  
 Black-throated Blue 11, 74, 95  
 Black-throated Green 11, 49, 74, 92  
 Blue-winged 11, 49, 74  
 Brewster's 49  
 Canada 11, 75, 92  
 Cape May 74  
 Cerulean 53  
 Chestnut-sided 11, 74  
 Connecticut 11, 75  
 Golden-winged 11, 74  
 Hooded 75, 95  
 Kentucky 75  
 MacGillivray's 11, 92  
 Magnolia 11, 26, 74, 90, 92  
 Mourning 11, 26, 75, 92  
 Nashville 11, 26, 51, 74, 90, 92  
 Orange-crowned 11, 26, 49, 74, 90,  
 95  
 Palm 49, 75  
 Prairie 49, 51  
 Prothonotary 11, 75  
 Tennessee 11, 26, 49, 74, 90, 92  
 Wilson's 11, 26, 75, 90, 92  
 Worm-eating 75  
 Yellow 11, 26, 37, 41, 49, 74,  
 90, 92  
 Yellow-rumped 11, 17, 26, 49, 74,  
 90  
 Yellow-throated 11, 74  
 Warrick, Gordon 27, 51  
 Waterthrush, Louisiana 11, 27, 31, 75,  
 95  
 Northern 11, 26, 49, 75, 92, 94  
 sp. 75  
 Waxwing, Cedar 10, 16, 49, 74, 90  
 Weaver, Janett 87  
 Welch, Bernice 3, 66  
 Whip-poor-will 8, 47, 52(2), 71, 86  
 Whitney, Bill 14  
 Whitneys, the William 90  
 Wigeon, American 5, 15, 36, 45, 63(2),  
 68, 89  
 Wigg, Melba 63  
 Willet 26, 39, 47, 63, 69  
 Williams, Angela and Donald 18  
 Willow 38(2), 52, 60

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## TABLE OF CONTENTS

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| A New Nesting Species for Nebraska                                           | 86 |
| Book Reviews                                                                 | 87 |
| A Second Black-shouldered Kite in Nebraska,<br>with Notes on Its Food Habits | 88 |
| Pine Siskin Nests at Wayne State College                                     | 89 |
| 1983 Fall Field Day                                                          | 89 |
| A Mississippi Kite in Hall County, Nebraska                                  | 90 |
| Notes                                                                        | 91 |
| Index of Volume 51                                                           | 97 |

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Wilson, Barb 14, 18, 94                | Wood-Pewee, continued                |
| E. L. 27                               | Western 8, 54, 72                    |
| Mark 24                                | Wren, Bewick's 48                    |
| Wingfield, G. A. 26(3), 27(18)         | Carolina 9, 73                       |
| Winter Roadside Survey of Hawks in     | House 9, 26, 31, 41, 48, 62, 73,     |
| Eastern Nemaha County, Nebraska 19     | 90, 92(2)                            |
| Witschy, Maud 78                       | Marsh 10, 27, 31, 37, 48, 73, 92     |
| Witt, Jeff 14                          | Marsh/Sedge 94                       |
| Wood, Gertrude 3, 66                   | Rock 9, 27, 31, 37, 48, 54, 73       |
| Woodcock, American 7, 24, 70           | Sedge 9, 73, 92                      |
| Woodpecker, Downy 8, 16, 24, 26, 30,   | Winter 9, 16, 73                     |
| 40, 47, 62, 71, 90                     | Wright, Rick 18, 77                  |
| Hairy 8, 16, 26, 27, 30, 40, 47,       | Wyman, Howard 3, 18                  |
| 71, 90                                 | Wilma 3, 18, 93                      |
| Lewis' 71                              | Yellowlegs, Greater 6, 39, 46, 63,   |
| Pileated 66, 71                        | 69, 90, 92                           |
| Red-bellied 8, 16, 26, 27, 30, 47,     | Lesser 6, 26, 36, 39, 69, 90         |
| 52, 53, 71                             | Yellowthroat, Common 11, 26, 27, 31, |
| Red-headed 8, 16, 26, 30, 36, 40,      | 37, 41, 49, 62, 75, 90, 92, 95       |
| 43, 47, 62, 71, 90, 92(2)              | Yucca 56                             |
| Wood-Pewee, Eastern 8, 26, 27, 30, 48, | Ziewitz, J. 88                       |
| 52, 53, 72                             |                                      |

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1984 Annual Meeting will be in Chadron on 19 and 20 May. Mark your calendar!